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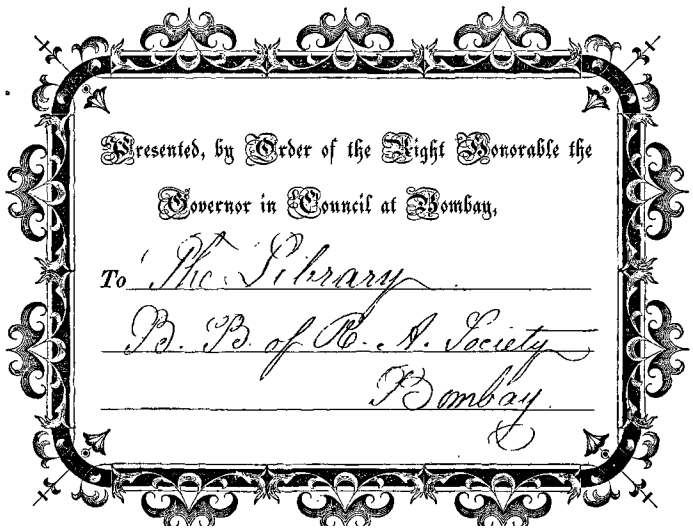

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MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

MADE AT THE

GOVERNMENT OBSERVATORY,

BOMBAY.

1860.

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

MADE AT THE

GOVERNMENT OBSERVATORY, BOMBAY,

IN THE YEAR 1860,

133485

UNDER THE SUPERINTENDENCE OF

LIEUTENANT E. F. T. FERGUSSON, I. N., F.R.A.S.,

FROM 1ST JANUARY TO 26TH SEPTEMBER;
AND AFTER THAT DATE TO 31ST DECEMBER UNDER

LIEUTENANT P. W. MITCHESON, I. N.

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BOMBAY MAGNETICAL OBSERVATORY.

PART I.

MAGNETICAL OBSERVATIONS.

1860.

INTRODUCTION TO THE MAGNETICAL OBSERVATIONS

FOR 1860.

SITUATION OF THE OBSERVATORY.

THE Government Observatory at Bombay is situated nearly at the southern extreme of the Island of Colaba, and consists of several small buildings, in a large compound, entirely walled round. It is bounded on the west by the public road from the Fort of Bombay; on the east by the sea forming the entrance to the Harbour; on the south by the Lighthouse; and on the north by the compound of a private house. Its distance from the Fort is about two miles and a third.

Its Latitude is .....+ 18°53′30″
Its Longitude is .....− 4*h*. 51*m*. 16·32*s*.*

The latter being dependent on the longitude of the Madras Observatory, supposed to be 5*h*. 20*m*. 57·28*s*., as determined by the late Mr. Taylor, Astronomer.

The "difference of longitude" between Madras and Bombay, as determined from the measurement of the G. T. S. of India, gives the longitude of the Bombay Observatory—4*h*. 51*m*. 12·3*s*., and this longitude has been adopted by Hydrographers in preference to the above, although the difference is only one minute of arc.

The grounds of the Observatory are well studded with trees, principally Bora trees (*Ziziphus lotus*), which emit a very offensive odour when in blossom; there are also a few Date, Palm, Mango, and Tamarind trees, and several sorts of shrubs.

The soil is partly of greenstone, but principally of reddish earth, of a very productive nature; the latter, however, is not deep, and rests on a rocky foundation, which in many places rises above the usual level of the surface. The grounds, though tolerably even in the western half of the compound, have a gradual slope towards the sea in the eastern half, which accomplishes a quick drainage in heavy rains, and thereby prevents undue moisture.

Buildings in the Observatory.—The Magnetical Department of the Observatory consists of six separate buildings; and the Astronomical Department of one large Transit-Room and two Domes. In August 1858, a large Zinc Ball, complete with

* Found by Lunar transits and occultations of Stars and Planets by the Moon, *from several series of observations made* at this Observatory from 1840 to 1853, but the Instruments are not of the highest order, as in England and in Europe generally.

Electrical Apparatus for dropping the same, was received from England, and ordered to be erected at the Observatory; and on the 15th of January 1859, the Ball was substituted for the Flag. A description of the building and working of the Apparatus is given in the Volume for 1859.

Adjoining the Transit-Room, and connected with it by a covered passage 14 by 9 feet, is a large office 64 feet by 29 feet. This room is used for copying Charts and Plans, and also for keeping a stock of Charts and Mathematical Instruments for the use of the Government Vessels of War, and belongs exclusively to the Hydrographical Department of the Indian Navy. In addition to these buildings, I have to add that a dwelling-house, with out-offices, is provided for the Superintendent, also one for the First Assistant in the Magnetical Department, and suitable quarters for the other Assistants and Observers attached to the Observatory Departments.

Staff of the Observatory.—During the year 1860, the staff of the Observatory was as follows:—

MAGNETICAL DEPARTMENT.

Goverdhun Luxumon C.	First Assistant.
Naro Balcrushna	Second Assistant.
Luxuman Moreshwar*	Observer.
Crushnajee Appajee	Observer.
Ramchund Pandoorung	Observer.
Narayen Ramchunder	Computer.

ASTRONOMICAL DEPARTMENT.

Govind Ramchunder.

The Astronomical Department, which is principally for the purpose of getting the correct time by observed transits of the Stars, and signalling the same by drop of Time Ball to the Shipping in the Harbour at 1*h.* P. M., is under my immediate and personal superintendence. The Observations, however, are not published.

In the Magnetical Department the system adopted in the year 1860 was the same as that in the preceding year.

Besides the duties of the Observatory, the Superintendent is charged with the Hydrographical Department of H. M.'s Indian Navy. The Superintendence of the Observatory is an adjunct to the appointment of the Hydrographer; and the office of the latter being in the Naval Department, both are under the orders of the Commander-in-Chief of H. M.'s Indian Navy.

The Results for 1860 were deduced under my direction by the First Assistant, Goverdhun Luxumon C., assisted by the Second Assistant.

* Bapoo Moreshwar was appointed an Observer in the Magnetical Department on the 9th August 1860, vice Luxuman Moreshwar resigned.

The Instruments actually observed in the Magnetical Department are as follows:—

MAGNETICAL INSTRUMENTS.

Declinometors (large and small).

Horizontal Force Magnetometers (large and small), with their attached Thermometers.

Vertical Force Magnetometer, with its attached Thermometer.

Dip Circle.

Apparatus for Deflections.

METEOROLOGICAL INSTRUMENTS.*

Barometers, Nos. 58 and 48, with their attached Thermometers.

Thermometers (six), in the Thermometer Shed.

Anemometers (two), by Osler and Lynd (Osler's is a self-registering instrument).

Rain Guages, Nos. 1 and 2.

Electrical Apparatus.

Tidal Apparatus (a self-registering instrument).

Göttingen Mean Time has been strictly adhered to in taking Magnetical Observations, and Bombay Civil Time has been used in observing Meteorological Instruments.

Throughout the year 1860, all the Magnetometers and Meteorological Instruments were observed hourly, duly registered, and curved every day, except on Sundays and a few other holidays.

Besides these, there were the Monthly Term Day Observations; also the Observations of Meteorological and Magnetical Disturbances, when necessity required.

DECLINATION.

The Large Declinometer was obtained from Grubb, of Dublin, and is of exactly the same construction as that described in the Report of the Committee of the Royal Society for 1840.

The small Declinometer is the same as the Unifilar Magnetometer described in page 60 of Lieutenant Riddle's "Magnetical Instructions," with the exception that it has no glass bell over it.

* A description of the Meteorological Instruments is given in the second part of this Volume.

The dimensions of the Magnets, and the several co-efficients of both the Declinometers, are as follows:—

	Large Declinometer.	Small Declinometer.
Length of the Magnet	1·25 feet,	2·46 inches.
Breadth ditto	0·0715 „	
Thickness ditto	0·0208 „	0·30 inches.
Weight ditto	62,030 grains.	
Form of Magnets	Solid Bar.	Solid Cylinder.
Silk fibres of Suspension, in number	40	2
The Value of one Integer of Scale Reading.....	6′841	5′23
The Zero Point of Scale.....(Decr. 1858)	28·3064	29·991 (October 15, 1858.)
Value of $1+\frac{H'}{H}$ in its last adjustment	1·003009	1·0019

Mean Time of one Vibration in its perfect adjustment 12·96 seconds. 3·45 seconds.

A change of 0·10 scale division of Large Declinometer is nearly equal to 0·12 scale division of Small Declination Magnetometer.

Length of the suspension were of large Declinometer was 33·5 inches.

TABLE I.—*Showing the Declination in Arc, as obtained from the Scale Readings of Small Declination Magnetometer.*

1860.	Mean Monthly Values of Declination by S. D. M.	Excess above the Values obtained from Large Declinometer.	1860.	Mean Monthly Values of Declination by S, D. M.	Excess above the Values obtained from Large Declinometer.
January	0°22′82	—0°0′166	July	0°22′55	—0°1′427
February	·22·71	·0·314	August.....	·22·65	·1·692
March	·22·88	·0·580	September	·23·29	·0·923
April	·22·55	·0·838	October	·23·25	·1·085
May	·22·23	·1·278	November	·23·37	·1·543
June.....	·21·94	·2·105	December.....	·23·18	·1·987

This Table shows that the Values of Declination, obtained from the Small Declinometer, were uncertain within about 2·2 of arc.

The difference in the Values obtained by the Large and Small Declinometers, may arise from the smaller magnet not being so strongly magnetic as the standard bar, and, from its lightness, more susceptible to movement and change.

Weekly observations tend to show that no material change has occurred in the moments of the Declination Magnets, as the time of vibration in one month was nearly equal to the time of vibration in the others.

During the year 1860, the Large Declinometer remained under the same adjustment as in the preceding year, but the Small one was re-adjusted on the 9th January 1860.

Adjustment of Small Declinometer.

On the 9th of January 1860, the Small Declinometer was re-adjusted. The Magnet was cleaned of corrosion, and the plane of the Mirror brought at right angles to the

Magnetic meridian. The collimation of the reading telescope destroyed, and the focal distances well regulated. The box of the Instrument closed, and fresh observations commenced with it at 4h P. M. Observations on the next two days showed that the curve projected from the observations of the small Instrument nearly coincided with the curve of the Large Declinometer, which was in perfect adjustment at this time.

HORIZONTAL FORCE.

The Diurnal Changes of the Earth's Magnetic Horizontal Force have been observed hourly, with two instruments. One, the large Horizontal Force Magnetometer in the large Observatory, is of the same construction as that which is described in the Report of the Royal Society for 1840. The other is the Small Horizontal Force Magnetometer, in the small Observatory, which is of exactly the same description as the Bifilar, described in Lieutenant Riddle's Magnetical Instructions.

The dimensions and the values of the several co-efficients of Magnets are as follows:—

	Large Horizontal Force.	Small Horizonial Force.
Length of the Magnetic Bar	1·25 feet	2·99 inches.
Breadth ditto	0·072 „	0·30 „
Thickness ditto	0·021 „	80·0 „
Arc Value of one Division of the Scale	10′·933	5′·53
Form of the Magnet	Solid Bar.	Hollow Cylinder.
Suspension Wires	One silver wire.	Two silk fibres.
The Diameter of the Wheel round which the Suspension Wire passes	0·61465 inches.	Not measured.
The Distance of the Extremities of the Suspension Wire on the Micrometer-headed Screw	0 62985 „	„
Length of the Suspension Wire	30·33 „	„
Weight of the Magnet with all its appendages	7·050 grains.	
Torsion Circle Reading in its adjustment	270°00	266°35′
t'', or Time of one Vibration when in perfect adjustment.	16·17 seconds.	3·70 seconds.

Adjustment of Small Horizontal Force.

From the commencement of the year to the 25th of January, the Instrument remained under the adjustments of the last year: on the 25th instant it was again adjusted. The instrument having been opened, and the magnet freed from rust, it underwent a thorough adjustment:—

1st.—The Scale and Mirror were adjusted; the co-efficent of Torsion determined; and the time of one Vibration by the single suspension determined.

Co-efficient of Torsion = 1·00100
Time of one Vibration = 2·74666 seconds.

2nd.—The Magnet was suspended by the double suspension, the Scale Reading brought to 20 nearly. The time of Vibration determined, which did not coincide with the calculated value. The upper interval of the suspension threads was therefore increased or decreased until the time of one Vibration was near enough to 1·863 seconds.

Torsion Circle Reading 158°24′
Time of one Vibration 1·862 seconds.

3rd.—The Torsion Circle was turned through 90°+ v and brought to 9°46′; the Magnet then became at right angles to the Magnetic Meridian: the Mirror was turned and adjusted, the Magnet being handled with the greatest care.

Time of one Vibration = 3·510 seconds.
Scale Reading ..... = 17·45
Torsion Circle Reading = 9°46
Co-efficient of reduction = ·0006144.
Temperature of the Magnet = 76·5.

4th —The adjustments were completed, and the instrument made ready for taking observations as usual.

Second Adjustment.

The Small Horizontal Force was re-adjusted on the 17th of February 1860.

1st.—The Magnet having been suspended in the Magnetic Meridian by a single suspension, the time of one Vibration was observed and the Co-efficient of Torsion determined; the Value for t' was calculated.

2nd.—The Magnet was suspended by a double suspension, and the upper interval of the suspension threads was increased, until t' by observation exactly coincided with the calculated value of t'.

3rd —The Torsion Circle was turned through 90 + v; the Mirror was adjusted; and the time of t'' observed, which nearly coincided with the calculated value.

Time of one Vibration.... 3·511 seconds.
Torsion Circle Reading .. 282°35′
Scale Reading..... 11·65
Temperature of Magnet .. 76·0
Co-efficient of Reduction.. 1·0006

4th.—The Box was closed, and the adjustment was completed.

In Horizontal Force Magnetometer, the Magnetic Bar is forced to a position at right angles to the Magnetic Meridian by turning the arms of the Torsion Circle. The upper extremities of the suspension wire move through a greater angle than the lower extremities, consequently the wires are no longer vertical, and the Magnet,

together with its appendages, is raised. The Forces producing equilibrium will therefore be,—the suspended weight struggling to attain the lowest point, and the Earth's Magnetic Horizontal component of Intensity acting on the free Magnetism of the Bar.

The Large Horizontal Force Magnetometer has been now in operation for nearly eighteen years, and it has always indicated an increase of force from year to year. The Intensity Calculations are made on the supposition that the increase or decrease of scale readings in both the Magnetometers goes on regularly throughout the year; but this is far from being the case, as these changes are sometimes very irregular. During the year 1860, the change in the scale readings was as follows:—

Large Horizontal Force daily increased by 0·000848 scale divisions.
Small „ „ „ 0·0036 „

The cause of this change in the scale readings of Horizontal Force is owing either to the change in the magnetic moment of the bar, to the change in the magnetic horizontal force of the earth, or from the loss of inherent elastic power of the wire by which the Magnet is suspended.

It is necessary to make the following allowances, in order to find out the true values of the changes in the Horizontal Component of the Earth's Magnetic Force:—

1st.—Allowance for the regular loss or increase in the moment of the Bar Magnet of Horizontal Force was equal to:—

$$L.\ H.\ F.\ \delta\ t = -0{\cdot}01 \text{ seconds.}$$
$$S.\ H.\ F.\ \delta\ t = -0{\cdot}11 \quad \text{„}$$

The mean monthly loss of vibration of the Small Horizontal Force Magnant suspended with a single thread deduced at each new adjustment is 0·0028 seconds.

2nd.—Allowance for the Temperature of Attached Thermometer of Horizontal Force Magnets is:—

$$L.\ H.\ F.\ \delta\ t = 0{\cdot}18\ (80°-t')$$
$$S.\ H.\ F.\ \delta\ t = 0{\cdot}15\ (80°-t')$$

In which t' denotes the Temperature of Attached Thermometer, and $\delta\ t$ the correction required.

3rd.—Allowance for the Effect of Moisture on the Suspension Wires.—The silver suspension wire of the Large Horizontal Force Magnet is supposed not to be affected by atmospheric moisture; but the silk fibres of the Small Horizontal Force are doubtless affected by the changes of moisture; in the calculation of this correction q' is the effect of a change of 1° Fahr. in the depression of Wet Bulb.

$q' = 0{\cdot}127$ in 1856.	$q' = 0{\cdot}044$ in 1859.
$q' = 0{\cdot}135$ in 1857.	$q' = 0{\cdot}121$ in 1860.
$q' = 0{\cdot}032$ in 1858.	

4th.—Allowance for the Effect of Circumambient Air.—It was supposed the circumambient air was magnetic, and that its magnetism was either inherent or induced by the earth. The correction found during the year 1860 was 0·0017 for *L. H. F.*, and 0·0036 for *S. H. F.*

Reduction of Observations.

The hourly observations during the year 1860 were reduced by the following formulæ:—

Large Horizontal Force.

$$\text{Absolute Horizontal Intensity} = 8{\cdot}05477 + 0{\cdot}0164\ \{f + 0{\cdot}18\ (t^{\circ}-80^{\circ})-20{\cdot}00\}$$

Small Horizontal Force.

Absolute Horizontal Intensity in January $= 8{\cdot}055 + 0{\cdot}008\ \{f+0{\cdot}130\ (t^{\circ}-80^{\circ})-0{\cdot}04\ W-31{\cdot}00\}$
Do. do. February $= 8{\cdot}0568 + 0{\cdot}008\ \{f+0{\cdot}153\ (t^{\circ}-80^{\circ})-0{\cdot}04\ W-17{\cdot}00\}$
Do. do. after 1st March $= 8{\cdot}055 + 0{\cdot}008\ \{f+0{\cdot}153\ (t^{\circ}-80^{\circ})+0{\cdot}121\ W-15{\cdot}00\}$

In the results the values were further reduced:—

Large Horizontal Force $X = \delta x + D \pm 0{\cdot}0017\ (t'^{\circ}\text{-}80^{\circ})$
Small Horizontal Force $X = \delta x + D \pm 0{\cdot}0036\ (t'^{\circ}\text{-}80^{\circ})$

In these formulæ δx denotes the Horizontal Intensity corrected for the temperature of Attached Thermometer, and for the co-efficient of reduction.

f denotes the Scale reading of Horizontal Force uncorrected.
t denotes the temperature of Attached Thermometer.
W denotes the depression of Wet Bulb Thermometer.
X denotes the Horizontal Intensity, corrected for all corrections.
D denotes the daily correction for instrumental error.
t' denotes the Temperature of External and Free Air.

The method adopted in this Observatory, which gives the changes of the Earth's Magnetic Force in Absolute Measure, differs from all the other Observatories, as they give the changes in parts of the whole Horizontal Force.

Absolute Determination of Horizontal Force.

The Instrument used for the purpose of Deflections is the Small Declinometer in the Small Magnetic Observatory; and that which is used for the Vibrations is another Small Declinometer, fixed in the North-Eastern angle of the same Observatory. The lengths of the Deflecting and Deflected cylindrical Magnets are respectively 3 and 2·46 inches.

The Determinations were made once a week, at about 20*h*. Göttingen Mean Solar Time, or Noon Bombay Mean Time. The time occupied in making these Observations on any day was about one hour. During the middle time of absolute

Determinations, the Small and Large Horizontal Force Magnetometers were observed and duly registered.

The Absolute Value of Horizontal Force, obtained in English units, has been calculated by the formulæ—

$$X=\frac{\pi}{t}\sqrt{\frac{2}{1+k}\frac{K}{R^3\tan u}} \qquad LM=XR^3\tan u\,\frac{1+k}{4}$$

The Moment of Inertia of the solid Cylindrical Magnet (A·51), as determined in December 1855, was 2·250. In the actual calculations of Horizontal Intensity of this year it was used without any alteration.

Probable error of an Observation of Absolute Determination of Horizontal Force, as explained in the Volume of 1848, is about 0·008.

TABLE II.—*Showing the Mean Monthly Values of Horizontal Force, as obtained from the Deflection Observations in* 1860.

Months, 1860.	Mean Date.	L. M.	X. Or Horizontal Intensity in En. Units.	Corresponding Reading of Large Horizontal Force.		Corresponding Reading of Small Horizontal Force.		Torsion Force.		Number of Observations.
				Scale Reading.	Thermometer.	Scale Reading.	Thermometer.	A·51	1·11.	
January	16	0·0828	8·042	20·97	77·3	31·37	72·3	1·0015	1·0021	4
February	14	·0828	·056	21·34	79·9	*	*	1·0023	1·0021	4
March	16	·0828	·053	20·65	82·8	14·76	79·9	1·0022	1·0020	5
April	16	·0828	·036	18·64	85·2	12·84	83·5	1·0022	1·0020	2
May	13	·0827	·051	19·49	87·3	14·83	85·3	1·0021	1·0019	3
June	15	·0822	·098	19·71	86·3	15·25	83·7	1·0019	1·0018	5
July	20	·0825	·053	20·01	83·8	16·61	82·6	1·0017	1·0016	3
August	22	·0826	·053	19·40	84·7	15·81	82·0	1·0017	1·0015	3
September	17	·0825	·059	19·91	85·4	16·66	82·3	1·0019	1·0015	2
October	15	·0825	·054	19·78	87·2	16·40	83·4	1·0021	1·0018	4
November	16	·0825	·054	20·75	83·0	15·56	77·6	1·0023	1·0019	5
December	17	·0825	·053	20·02	82 3	15·49	77·0	1·0023	1·0019	4
Annual Mean	16	0·0826	8·055	20·05	83·8	15·42	81·7	*1·0021	1·0018	44

The Small Horizontal Force Magnetometer serves only as a check on the Observations of the Large Horizontal Force Magnetometer; and as the Small Instrument works under various disadvantages, no other results have been calculated from its Scale Values, except the Monthly Means.

TABLE III.—*Showing the Horizontal Force of the Earth, calculated from the Scale Readings of Small Horizontal Force Magnetometer during the Year* 1860.

Months.	Mean Monthly Horizontal Force obtained from S. H. F.	Excess above the Mean of Large H. F.	Months.	Mean Monthly Horizontal Force obtained from S. H. F.	Excess above the Mean of Large H. F.
	En. Un.	En. Un.		En. Un.	En. Un.
January	8·0468	+ 0·0164	July	8·0572	+ 0·0059
February	·0480	+ ·0085	August	·0592	+ 0·0142
March	·0412	+ ·0031	September	·0564	+ 0·0160
April	·0411	+ ·0057	October	·0592	+ 0·0184
May	·0503	+ ·0029	November	·0522	+ 0·0101
June	·0514	— ·0017	December	·0491	+ 0·0107

It appears from this Table, that the values of Horizontal Force, obtained from the Scale Reading of Small Horizontal Force Magnetometer, were uncertain within about 0·02 English unit.

The Annual Mean was 8·0513, which was about 0·0165 E. Un. higher than the Mean of the last three years.

VERTICAL FORCE MAGNETOMETER.

This Instrument is in use for nearly eleven years.

In the centre of a marble slab, 18 inches long by 11 inches broad, is fixed a copper frame-work, surmounted by two agate planes, upon which the knife-edge axle of the Bar Magnet rests. The dimensions of the Magnet Bar are as follows:—

Length	15·00 inches.
Breadth	1·25 „
Thickness	0·25 „

Temperature Correction.—The Temperature effect is assumed to be 0·03 in Scale Divisions for one degree of Fahr.; this value was used during the year 1860 without any alteration.

Centre of Gravity.—The best position for keeping the handle of Y supports is between 30° and 50° south, as in that position it seems to produce no changeable effect either on the Scale Readings or on the times of Vibration.

Time of Vibration.—The time of Vibration in the Horizontal Plane is assumed to be 13·00 seconds; the time of Vibration in the Vertical Plane has been carefully observed in each month of the year 1860.

TABLE IV.—*Showing the Times of Vibration of Vertical Force Magnetometer during the Year* 1860.

Months and Dates.	Time of one Vibration in Vertical Plane.	Months and Dates.	Time of one Vibration in Vertical Plane.	Months and Dates.	Time of one Vibration in Vertical Plane.
January	10·94	May	10·84	September	5·95
February.....	11·03	June.....	10·85	October	9·75
March.....	10·90	July.....	7·70	November	9·75
April	10·89	August.....	5·95	December	9·65

It was thought necessary to adjust the instrument about the month of July, as the time of Vibration in the Vertical Plane was much lower than its normal value, but owing to the extreme dampness of air, the adjustment was deferred till October.

Occasional Adjustments.

9th November.—The box of the Vertical Force Magnet removed, the needle rubbed over with salad oil, and cleaned of corrosion.

34·75 Scale Reading after adjustment.	41·80 Scale Reading before adjustment.
88·0 Thermometer ditto.	88·0 Thermometer ditto.

29th December.—The Vertical Force Magnetometer was readjusted, as the time of one Vibration in the Vertical plane was not considered satisfactory.

16·03 Scale Reading after adjustment.	29·50 Scale Reading before adjustment.
83·8 Attached Therm. ditto.	80·0 Attached Therm. ditto.

Formulæ for reducing Hourly Observations.

From 1st January to 9th October ..	$Y = 2{\cdot}78821$	+	$0{\cdot}011\ \{f + 0{\cdot}03\ (t° - 80°) - 40{\cdot}00\}$	
From 9th October to 29th December	$Y = 2{\cdot}8652$	+	ditto	ditto.
After 29th December	$Y = 3{\cdot}0491$	+	ditto	ditto.

THE INCLINATION.

The Dip Circle, which has now been in use for seven years, was observed bi-weekly throughout the year 1860. It is made by Barrow, of London, and is similar in construction to Gambey's Circle.

The construction of the instrument, and the method of registering the Observations, are given in the Introduction to the Volume for 1852, under the head "Inclination."

The mean Annual Observed Dip in 1860 was equal to 19° 05′12″; this value was reduced from 97 observations, each observation being the mean of sixteen observations of the Magnetic Dip Needle under different positions.

The Hourly Dip in Simple Hourly Observations was deduced from the absolute values of Horizontal and Vertical Intensities by the formula $\tan \theta = \frac{Y}{X}$; but in the results the mean daily, hourly, and monthly values of calculated dip are made to come near enough to the values of Observed Dip.

TOTAL INTENSITY.

This was obtained by means of the Horizontal Intensity, calculated from the Scale Readings of the Large Horizontal Force Magnetometer, and the Dip deduced from the Vertical and Horizontal Intensities by the formula—

$$R = X \sec. \delta$$

BOMBAY GOVERNMENT OBSERVATORY.

MAGNETICAL OBSERVATIONS.

1860.

DAILY OBSERVATIONS FROM 2ND TO 4TH JANUARY 1860.

DATE. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1860.
h.										h. m.
JAN. 2ND-Noon.	23·267	19.90	78·3	38.15	77·6	8.0531	2.7679	18°58′4	B	4 12 p. m.
1	22.787	19.90	77.3	38.14	77.2	.0531	.7677	18.58.4	B	5 12 ,,
2	22.444	19.66	76.2	38.32	76.5	.0492	·7697	18.59.7	B	6 12 ,,
3	22·991	19.50	75.5	38.62	76.0	.0466	·7730	19.01.3	B	7 12 ,,
4	23.198	19.43	75.0	38.63	75.4	.0455	.7731	19.01.4	B	8 12 ,,
5	23.130	19.29	74.4	38.66	75.2	.0432	.7735	19.02.0	B	9 12 ,,
6	23.267	19·25	73.5	38.69	74.5	.0425	.7738	19.02.1	H	10 12 ,,
7	23.816	19·27	72.7	38.83	74.0	.0429	.7753	19.02.7	H	11 12 ,,
8	22.923	19.31	72.0	38.90	73·2	.0435	.7762	19.02.8	H	Midnight.
9	22.168	19.75	71.7	38.61	72.9	.0507	.7729	19.00.7	B	1 12 a. m.
10	22.787	19.43	71.3	38.69	72.4	.0455	.7738	19·01.7	B	2 12 ,,
11	22.512	19.55	71.0	38.56	72·0	.0474	.7727	19.01.2	B	3 12 ,,
12	22.444	19.49	70.5	38.60	71.5	.0465	.7728	19·01.2	B	4 12 ,,
13	21.688	19.62	70.1	38.70	71·0	.0485	.7739	19.01.3	B	5 12 ,,
14	22.168	19.68	70.1	39.09	70.9	.0495	.7782	19·02.8	B	6 12 ,,
15	22.787	19.54	70.2	39.30	70.7	.0473	.7805	19.04.2	B	7 12 ,,
16	24.090	19.78	71.0	39.41	71.0	.0512	.7825	19.04.6	B	8 12 ,,
17	24.846	20.20	72.5	39.07	71.7	.0581	.7780	19.01.8	H	9 12 ,,
18	23.816	20.52	74.0	38.49	72.4	.0633	.7716	18.58.6	H	10 12 ,,
19	22.512	20.91	75.6	38.07	73.6	.0697	.7670	18.55.9	H	11 12 ,,
20	19.699	20.91	77.7	37.99	75.5	.0697	.7652	18.55.2	H	Noon.
21	23.130	20.68	78.4	37.99	76.0	.0659	.7652	18.55.7	R	1 12 p. m.
22	23.335	20.42	78.8	38.01	77.0	.0617	.7663	18.56.6	R	2 12 ,,
23	23.677	20.26	79.3	37.99	77·6	.0591	.7652	18.56.6	R	3 12 ,,
JAN. 3RD-Noon.	23.540	20.13	78.9	37.94	77.9	.0569	.7664	18.56.7	R	4 12 ,,
1	23.267	19.95	78.0	37.98	77.6	.0539	·7651	18.57.3	L	5 12 ,,
2	22.512	19·79	76.7	38.10	76.7	.0514	.7673	18.58.5	L	6 12 ,,
3	23.060	19.51	76.0	38.23	76.1	.0468	.7687	18.59.6	L	7 12 ,,
4	22.854	19.40	75.6	38.23	75.9	.0450	.7687	18·59.8	L	8 12 ,,
5	22.649	19.35	75.3	38.27	75.6	.0441	.7692	19.00.1	H	9 12 ,,
6	23.473	19.46	74.5	38.41	75.2	.0460	.7707	19.00.5	H	10 12 ,,
7	23.473	19.50	73.8	38.56	74.8	.0466	·7724	19.01.0	H	11 12 ,,
8	23.130	19.43	73.8	38.57	74.4	.0455	.7715	19.00.8	H	Midnight.
9	23.267	19.54	73.5	38.66	73.8	.0473	.7735	19.01.5	R	1 12 a. m.
10	22.787	19.66	73·0	38.59	73.5	.0492	.7727	19.00.9	R	2 12 ,,
11	22.581	19.68	72.9	38.67	73.3	.0495	.7736	19.01.1	R	3 12 ,,
12	22.787	19.62	72.5	38.79	73·1	.0485	.7749	19.01.7	R	4 12 ,,
13	22.305	19.76	72.4	38.83	72.7	.0509	.7753	19.01.7	L	5 12 ,,
14	22.512	19.76	72.0	38.87	72.3	.0509	.7758	19.01.9	L	6 12 ,,
15	22.444	19.69	71.7	38.90	72·0	.0497	.7752	19.01.7	L	7 12 ,,
16	23·746	19.88	72.4	39.11	72.0	.0528	·7782	19·02·4	L	8 12 ,,
17	25.532	20.10	73.6	39.13	72.8	.0564	.7786	19.02.2	H	9 12 ,,
18	25.189	20·57	75·0	38.50	73.4	.0642	.7717	18·58.6	H	10 12 ,,
19	23.953	20.90	76.6	38.18	74.3	.0695	.7682	18.56.3	H	11 12 ,,
20	23.884	20.85	77.8	38.20	75.4	.0685	.7684	18.56.5	H	Noon.
21	24.570	20.58	79.4	38.08	77.0	.0643	.7671	18.56.7	R	1 12 p. m.
22	23.816	20.44	80·5	37.82	78.5	.0621	·7642	18.55.8	R	2 12 ,,
23	22.923	20.54	81.9	37.87	79.1	.0637	.7648	18.55.9	R	3 12 ,,
JAN. 4TH-Noon.	23.335	20.28	81.4	38.01	79.5	.0594	.7663	18.57·0	R	4 12 ,,
1	23.060	19.93	19.4	37.98	78.6	.0536	.7651	18.57.3	L	5 12 ,,
2	22.512	19.76	78.7	38.09	78·1	.0506	.7672	18.58.4	L	6 12 ,,
3	22.854	19.64	77.9	38.25	77.6	.0489	.7690	18.59.4	L	7 12 ,,
4	22.854	19.51	77.3	38.29	77.0	.0468	·7694	18.59.8	L	8 12 ,,
5	22.854	19.39	76·6	38·30	76.8	.0448	.7695	19.00.1	H	9 12 ,,
6	22.923	19.25	75.8	38.39	76.4	.0425	.7705	19.00.8	H	10 12 ,,
7	23.335	19.21	74.8	38.47	75.8	.0419	.7715	19.01·3	H	11 12 ,,
8	23.267	19.42	74.4	38.50	75·4	.0453	.7717	19.01.0	H	Midnight.
9	22.991	19.52	74.4	38.57	75.0	.0469	.7725	19.01.1	R	1 12 a. m.
10	22.374	19.62	74.1	38.61	74.5	.0485	.7729	19.00.9	R	2 12 ,,
11	22.923	19.67	73.6	38.64	74.0	.0494	.7732	19.01.0	R	3 12 ,,

On the 2nd, at about 19h. 15m., Dip as obtained by Observation was 19°01′9.

DAILY OBSERVATIONS FROM 4TH TO 6TH JANUARY 1860.

DATE. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1860.
h.										h. m.
JAN. 4TH—12	22·923	19.66	73°1	38.71	73°7	8.0492	2.7740	19°01'4	R	4 12 a. m.
13	22.168	19.87	72.6	38.78	73.2	.0527	.7748	19.01.2	L	5 12 ,,
14	22.444	19.83	72.4	38.79	72.9	.0526	.7749	19.01.3	L	6 12 ,,
15	22.374	19.81	72.5	38.86	72.6	·0517	.7757	19.01.7	L	7 12 ,,
16	23.198	19.92	73.3	38.84	72.8	.0534	.7754	19.01.4	L	8 12 ,,
17	24·295	20.14	74.4	38.74	73.4	.0571	.7743	19.00.5	H	9 12 ,,
18	23·473	20.39	75.5	38.47	73.9	.0612	.7714	18·58.8	H	10 12 ,,
19	22.854	20.35	77.0	38.31	74.9	.0605	.7696	18.58.1	H	11 12 ,,
20	22.512	20.53	78.6	38.38	76.0	.0635	.7704	18·58.0	H	Noon.
21	22.787	20.39	79.4	38.41	77·0	.0612	.7707	18.58.6	R	1 12 p. m.
22	22.168	20.37	80.0	38.18	78.0	.0609	.7682	18.57.5	R	2 12 ,,
23	22.168	20.17	80.5	38.08	78.5	.0576	.7671	18.57.5	R	3 12 ,,
JAN. 5TH—Noon.	22.444	19.85	80.3	38.07	79.1	.0523	.7670	18.58.2	R	4 12 ,,
1	22.305	19.69	79.2	38.12	78.6	.0497	.7675	18.58.7	L	5 12 ,,
2	22.237	19.50	78.1	38.20	77.8	.0466	.7684	18·59.4	L	6 12 ,,
3	22.718	19.39	77.7	38.44	77.4	.0448	.7710	19.00.7	L	7 12 ,,
4	22.854	19.31	77.0	38.43	77.0	.0435	·7709	19.00.8	L	8 12 ,,
5	22.787	19.20	76.4	38.42	76.8	.0417	.7708	19.01.0	H	9 12 ,,
6	22.718	19.35	76.0	38.59	76.4	.0441	.7727	19.01.6	H	10 12 ,,
7	22.923	19.49	75.2	38.67	75.8	.0465	.7736	19.01.5	H	11 12 ,,
8	23.130	19.36	74.8	38.71	75.4	.0443	.7740	19.02.1	H	Midnight.
9	22.991	19·47	74.4	38.69	74·8	.0462	.7738	19.01.7	R	1 12 a. m.
10	22.581	19.80	74.0	38.76	74.5	.0515	.7746	19.01.2	R	2 12 ,,
11	22.787	19.62	73.4	38.82	74.0	.0485	.7752	19.01.8	R	3 12 ,,
12	22.581	19.64	72.7	38.60	73.4	·0489	.7728	19.00.9	R	4 12 ,,
13	22.374	19.83	72.4	38.60	72·8	.0520	.7728	19.00.5	L	5 12 ,,
14	22.168	19.85	72.4	38.63	72·8	.0523	.7731	19.00.6	L	6 12 ,,
15	22.305	19.79	72.3	38.70	72.6	.0511	.7739	19.01.1	L	7 12 ,,
16	23.198	20.03	73.3	38.94	72.7	.0553	.7756	19.01.2	L	8 12 ,,
17	24.159	20.34	74.5	38.98	73.2	.0604	.7761	19·00.7	H	9 12 ,,
18	25.532	20·32	75.4	38.77	73.8	.0600	.7747	19.00·3	H	10 12 ,,
19	24.021	20.48	77.0	38.34	74.6	.0627	.7699	18.57.9	H	11 12 ,,
20	23·473	20.99	77·6	38.36	75·4	.0690	.7702	18.57.2	H	Noon.
21	23.884	20·42	78.4	38.48	76.1	.0617	.7715	18.58.7	R	1 12 p. m.
22	23.816	20.29	78.8	38.38	76.9	.0596	·7704	18.58.5	R	2 12 ,,
23	23.677	20.04	79.0	38.28	77·5	.0571	.7693	18·58.5	R	3 12 ,,
JAN. 6TH—Noon.	22.923	20.05	78.5	38.27	77.6	·0556	·7692	18.58.5	R	4 12 ,,
1	22.649	19.75	77.1	38.29	77.0	.0507	.7694	18.59.3	L	5 12 ,,
2	22.923	19.51	76.0	38.49	76·2	.0468	.7716	19.00.7	L	6 12 ,,
3	23.267	19.47	75·7	38.58	75·9	.0462	.7726	19.01.2	L	7 12 ,,
4	23.335	19.42	75.1	38.58	75.4	.0453	.7726	19.01.3	L	8 12 ,,
5	23.473	19.16	74.8	38.66	75.3	.0410	.7735	19.02.3	H	9 12 ,,
6	23·609	18.94	74.4	38.70	75.0	.0374	.7739	19.02.9	H	10 12 ,,
7	23.473	18.95	73.9	38.69	74.4	.0375	.7738	19.02.8	H	11 12 ,,
8	23·816	18.96	73.4	38.82	74.0	.0377	.7752	19.03.3	H	Midnight.
9	24.226	18.89	72.9	38.71	73.5	.0366	.7740	19.03.0	R	1 12 a. m.
10	23.267	18.89	72.6	38.62	73.3	.0366	.7730	19.02.6	R	2 12 ,,
11	23.267	19.02	72.3	38.70	72.7	.0387	.7739	19.02.6	R	3 12 ,,
12	21.688	19.07	71.8	38.30	72.4	.0396	.7795	19.00.8	R	4 12 ,,
13	21.688	19.00	71.4	38.45	71.8	.0389	.7712	19.01.5	L	5 12 ,,
14	21.758	19.23	70.8	38.76	71·4	.0422	.7746	19.02.5	L	6 12 ,,
15	22·787	19.20	70.5	38.87	71.1	.0417	.7758	19.03.0	L	7 12 ,,
16	23.130	19.58	71.4	38.91	71.2	·0479	.7753	19·02.1	L	8 12 ,,
17	23.677	20.09	73.9	38.76	72.0	.0563	·7746	19.00.7	H	9 12 ,,
18	23.609	20.18	74.4	38·48	72·5	.0577	.7715	18.59.3	H	10 12 ,,
19	23.130	20.26	75·6	38.44	73.4	.0591	.7710	18.58.9	H	11 12 ,,
20	23.130	20.18	76.6	38.43	74·2	.0577	.7709	18.59.0	H	Noon.
21	23·609	19.98	77.3	38.40	75.0	.0544	·7706	18.59.4	R	1 12 p. m.
22	23.746	19.80	77.6	38.27	75.6	.0515	·7692	18.59.0	R	2 12 ,,
23	22.991	19·84	77.7	38·30	76.1	.0522	·7695	18.59.2	R	3 12 ,,

On the 5th, at about 19h. 35m., Dip as obtained by Observation was 19°08'1.
On the 6th, at about 19h. 15m., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 8TH TO 10TH JANUARY 1860.

DATE. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1860.
h.										h. m.
JAN. 8TH-Noon.	23·953	20.36	78·6	38.03	77·5	8.0607	2.7665	18°56'9	B	4 12 p. m.
1	22.444	20·07	77.5	37.94	77.2	.0560	.7655	18.57.2	B	5 12 ,,
2	22.444	19.88	76.5	38.25	76.5	.0528	.7690	18.58.9	B	6 12 ,,
3	22.649	19.78	76.2	38.41	76.2	.0512	.7707	18.59.9	B	7 12 ,,
4	22·787	19.62	75.6	38.53	75.7	.0485	.7720	19.00.6	B	8 12 ,,
5	22.718	19.59	75.5	38.42	75·6	.0481	.7708	19.00.3	R	9 12 ,,
6	22.649	19.59	74.7	38.54	75.4	.0481	.7721	19·00.8	R	10 12 ,,
7	22.512	19.42	74.0	38.62	74.8	.0453	.7730	19·01.5	R	11 12 ,,
8	22·444	19.62	73.9	38·64	74.6	.0485	·7732	19.01.0	R	Midnight.
9	22.787	19.60	73.6	38.73	74.4	.0482	.7742	19.01·6	H	1 12 a. m.
10	22.718	19.41	73.0	38.72	74.0	.0452	.7741	19.01.9	H	2 12 ,,
11	22.305	19.49	72.7	38.73	73.7	.0465	.7742	19.01.7	H	3 12 ,,
12	22.032	19.45	72.2	38.72	73.1	.0458	.7741	19.01.8	H	4 12 ,,
13	22.032	19.40	72.1	38.79	72.9	.0450	.7749	19.02.2	B	5 12 ,,
14	22.305	19.58	71.9	38.86	72.5	.0479	·7757	19.02.3	B	6 12 ,,
15	22.168	19.48	71.2	38.79	72.2	.0463	.7749	19.02.1	B	7 12 ,,
16	23.130	19.79	72.5	38.96	72.4	.0512	.7770	19.02.3	B	8 12 ,,
17	23.473	20.10	73.5	38.59	73.0	.0564	.7727	19.00.0	H	9 12 ,,
18	22·237	20.55	74.7	38.30	73.4	.0638	.7695	18.57.7	H	10 12 ,,
19	22.444	20.81	76.5	38.19	74.7	.0681	.7683	18.56.7	H	11 12 ,,
20	22.923	20.80	78.5	38·19	76·3	.0679	.7683	18.56.7	H	Noon.
21	22.444	20.58	79.0	38.11	77.0	.0643	.7674	18.56.8	R	1 12 p. m.
22	22.444	20.53	79.7	38·12	78.0	.0635	.7675	18.56.9	R	2 12 ,,
23	22.032	20.41	80.0	38.16	78.5	.0616	.7680	18.57.3	R	3 12 ,,
JAN. 9TH-Noon.	22.032	20.13	79·1	38·17	78.9	.0569	.7681	18.58.0	R	4 12 ,,
1	21.895	19.99	77.9	38.16	78.0	.0546	.7680	18.58.2	L	5 12 ,,
2	21.963	19·80	76.7	38.43	77.1	.0515	.7709	18.59.7	L	6 12 ,,
3	22.581	19.71	76·5	38.48	76.8	·0501	.7715	19.00.2	L	7 12 ,,
4	22.991	19.60	75.8	38.49	76.3	.0482	.7716	19.00.6	L	8 12 ,,
5	22.718	19.49	75.2	38.43	76.0	.0465	·7709	19.00.4	H	9 12 ,,
6	22·787	19.39	74·4	38.51	75.4	.0448	.7718	19.01.0	H	10 12 ,,
7	22.649	19.47	74.0	38.65	75.1	.0462	.7734	19.01.5	H	11 12 ,,
8	22.444	19.64	74.0	38.64	74.7	·0489	.7732	19.01.0	H	Midnight.
9	22.305	19.65	73.6	38.64	74.4	.0490	.7732	19.01.0	R	1 12 a. m.
10	22.237	19.66	73.4	38.35	74.0	.0492	.7701	18.59.8	R	2 12 ,,
11	22.374	19.50	72.7	38.56	73.5	.0466	.7724	19.00·0	R	3 12 ,,
12	22.444	19.53	72.1	38.58	73.3	·0471	.7726	19.01.1	R	4 12 ,,
13	22.101	19.67	71.8	38.56	72.7	.0494	.7724	19.00.7	L	5 12 ,,
14	21.963	19.67	71.2	38.58	72.2	.0494	.7726	19.01.8	L	6 12 ,,
15	22.718	19.72	71.2	38.76	72.1	.0502	.7746	19.01.1	L	7 12 ,,
16	24.090	19.95	72·0	38.71	72.0	.0539	.7740	19.00.8	L	8 12 ,,
17	23.404	20.26	72.7	38.28	72.7	.0591	.7693	18.58.2	H	9 12 ,,
18	22.444	20.73	75.1	38.10	73.4	·0668	.7673	18.56.4	H	10 12 ,,
19	22.101	20.85	77.0	37.89	74.7	·0687	.7650	18.55.3	H	11 12 ,,
20	23.130	20.92	78.0	37.98	75.4	.0698	.7660	18.55.5	H	Noon.
21	23.953	20.82	79.0	38.00	76,6	.0682	·7662	18.55.8	R	1 12 p. m.
22	23.267	20.58	79.7	37.87	77.6	.0643	.7643	18.55.7	R	2 12 ,,
23	22.991	20.30	80.0	37·86	78.5	.0597	.7647	18.56.4	R	3 12 ,,
JAN. 10TH-Noon.	22.787	20.15	80.0	37.81	78,8	.0572	.7641	18.56.5	R	4 12 ,,
1	22.168	19.94	79.0	37.74	78.1	.0538	.7633	18.56.6	L	5 12 ,,
2	21.758	19.93	77.4	38.01	77.3	.0536	.7663	18.57.7	L	6 12 ,,
3	22.305	19.75	76.7	38.28	76.8	·0507	.7693	18.59.3	L	7 12 ,,
4	22.444	19.67	76.4	38.32	76.6	.0494	.7697	18·59.7	L	8 12 ,,
5	22.718	19.70	76.0	38.29	76.4	.0499	.7694	18.59.4	H	9 12 ,,
6	23.130	19.67	75.3	38.24	76.0	.0494	·7688	18.59.3	H	10 12 ,,
7	22.305	19.54	74.6	38.30	75·4	·0473	.7695	18.59.9	H	11 12 ,,
8	22.787	19.66	74.5	38.36	75.4	·0492	.7702	18.59.8	H	Midnight.
9	22.649	19.78	74.6	38·36	75.4	·0512	.7702	18.59.6	R	1 12 a. m.
10	22·444	19.76	74.5	38.39	75.1	.0509	.7705	18.59.8	R	2 12 ,,
11	22.237	19.71	74.2	38.36	75.0	.0501	.7702	18.59.7	R	3 12 ,,

On the 9th, at about 19h. 30m., Dip as obtained by Observation was 19°08'8.

DAILY OBSERVATIONS FROM 10TH TO 12TH JANUARY 1860.

DATE. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1860.
h.										h. m.
JAN. 10TH—12	21·826	19.86	74°2	38.41	74°7	8.0525	2.7707	18°59'6	R	4 12 a. m.
13	21.826	19.80	73.9	38.43	74.3	.0515	.7709	18.59.7	L	5 12 ,,
14	22.032	19.86	73.5	38.50	74.1	.0525	.7717	19.00.0	L	6 12 ,,
15	21.276	20.37	73.4	38.42	73.9	.0609	.7708	18.08.6	L	7 12 ,,
16	21.963	20.72	74.0	38.77	73.9	·0666	.7748	18.59.4	L	8 12 ,,
17	21·551	21.18	75.0	38.36	74.5	.0731	.7702	18.56.7	H	9 12 ,,
18	21.139	21.76	76.5	37.88	75.4	.0837	.7609	18.51.7	H	10 12 ,,
19	20.933	21.36	78.4	39.29	76.5	.0771	.7804	19.00.2	H	11 12 ,,
20	20.728	21.44	80.0	39.28	78.0	.0785	.7803	18·59.9	H	Noon.
21	22 444	21.18	81.4	39.47	79.2	.0741	.7824	19.01.4	R	1 12 p. m.
22	23.540	21.14	82.6	39.38	81.0	.0731	.7814	19·01.1	R	2 12 ,,
23	23.677	20.99	83·7	39.32	82.2	.0710	.7807	19.01.2	R	3 12 ,,
JAN. 11TH-Noon.	22.991	20.66	84.3	38.75	82.5	.0656	.7745	18.59.4	R	4 12 ,,
1	22.374	20.35	83.1	38.31	82.0	.0607	.7694	18.58·0	L	5 12 ,,
2	22.787	19.74	81.0	38.71	80.3	.0506	.7740	19.01.2	B	6 12 ,,
3	24.364	18.91	79.5	39.08	79.0	.0369	.7781	19.04.5	B	7 12 ,,
4	23.884	18.18	78·2	39.01	78.1	.0249	.7793	19.05.7	B	8 12 ,,
5	24.295	18.14	77.7	39.13	77·8	.0243	.7786	19.06.5	H	9 12 ,,
6	23.816	18.41	77.3	39.12	77.4	.0288	.7785	19.05.7	H	10 12 ,,
7	24.502	18.35	76.4	39.20	76.6	.0277	·7794	19.06.2	H	11 12 ,,
8	23.816	18.58	76.0	39·29	76.2	.0315	.7804	19.06·0	H	Midnight.
9	23.884	18.49	75.4	39.36	75.6	.0301	.7812	19·06.6	R	1 12 a. m.
10	23.267	18.46	75.2	39.27	75.4	.0296	.7802	19.06.2	R	2 12 ,,
11	23.473	18.60	75.4	39.27	75.5	.0318	.7802	19.05.9	R	3 12 ,,
12	23.473	18.85	75.1	39.42	75.4	.0359	.7817	19.06.1	R	4 12 ,,
13	22.305	18.82	74.9	39.34	75.2	.0354	.7809	19.05.8	B	5 12 ,,
14	22.101	19.26	74.5	39.50	74.9	.0427	·7827	19.05.6	B	6 12 ,,
15	22.101	19.27	74.5	39.56	74.6	.0429	.7834	19.05.8	B	7 12 ,,
16	23.473	19.20	75.0	39.72	74.8	.0417	.7851	19.06.6	B	8 12 ,,
17	24.846	19.65	76.1	39.39	75.1	.0490	.7815	19.04.3	H	9 12 ,,
18	24.502	19.81	77.7	39.28	76.0	·0517	.7803	19·03.4	H	10 12 ,,
19	24.502	19.81	79.2	38.97	77.2	.0517	.7769	19·02.0	H	11 12 ,,
20	24.502	19.95	80.7	38.86	78.5	.0539	.7757	19.01.5	H	Noon.
21	25.600	19.65	82.3	38.78	80.0	.0490	.7748	19.01.7	R	1 12 p. m.
22	25.257	19.55	83.5	38.73	81.0	.0474	.7742	19.01.7	R	2 12 ,,
23	24.502	19.48	84.2	38.58	81.4	.0463	.7726	19.01.2	R	3 12 ,,
JAN. 12TH-Noon.	23.473	19.50	84.3	38.05	81.9	·0466	.7668	18.58.8	R	4 12 ,,
1	23.198	19.42	83.0	38.43	81.0	.0453	.7709	19.00.6	L	5 12 ,,
2	22.444	19·26	81.2	38.65	80.1	.0427	.7734	19·01.9	L	6 12 ,,
3	23·335	19.19	80.0	38.86	79.2	.0415	.7759	19·03.0	L	7 12 ,,
4	23.267	19.08	78.9	38.93	78.5	.0397	.7764	19.03.4	L	8 12 ,,
5	23.267	19.06	78.0	38.91	78.0	.0394	.7762	19.03.4	R	9 12 ,,
6	23.335	19.04	77.7	39.03	77.6	.0391	.7775	19.04.0	R	10 12 ,,
7	23.267	19.16	77.0	39.06	77·0	·0410	.7779	19.03.9	R	11 12 ,,
8	22·923	19.27	76.3	39.20	76.5	.0429	.7794	19.04.2	R	Midnight.
9	22.787	19.28	76.0	39.23	76.0	.0430	.7797	19.04·4	H	1 12 a. m.
10	22.787	19.25	75.5	39.27	75.8	.0425	.7802	19.04.5	H	2 12 ,,
11	22.581	19.24	75.2	39.32	75.4	.0424	.7807	19.04.9	H	3 12 ,,
12	22.444	19.25	75.0	39.36	75.3	.0425	.7812	19.04.9	H	4 12 ,,
13	22.787	19.33	74.7	39.41	75.1	.0438	.7817	19.05.1	L	5 12 ,,
14	22.581	19.34	74.3	39.47	74.8	.0440	.7824	19.05.3	L	6 12 ,,
15	23.060	19.30	74.1	39.13	74.4	.0433	·7786	19.03.9	L	7 12 ,,
16	23.335	19.60	74.9	38·95	74.4	·0482	.7767	19.02.6	L	8 12 ,,
17	24·846	19·98	76.0	38.35	75.0	.0544	.7701	18.59.2	H	9 12 ,,
18	23.267	20.38	77.2	37.97	75.6	·0610	.7659	18.56.7	H	10 12 ,,
19	21.482	20.70	78.6	38.79	76.2	·0663	.7749	18.59.5	H	11 12 ,,
20	21.276	20.68	79.8	39.55	78.2	.0659	.7833	19.02·8	H	Noon.
21	22.787	20.72	81.2	39.11	78.6	.0666	.7784	19.00.7	R	1 12 p. m.
22	23.267	20·48	82.2	39.08	79.2	.0627	.7781	19.01.1	R	2 12 ,,
23	23.816	20.17	82.2	41.10	79.9	.0576	.8003	19.10.5	R	3 12 ,,

On the 12th, at about 20h. 20m., Dip as obtained by Observation was 19°11'2.

DAILY OBSERVATIONS FROM 13TH TO 16TH JANUARY 1860.

Date. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1860.
h.										h. m.
Jan. 13th-Noon.	23°884	20.00	81°7	41.26	80°3	8.0548	2.8021	19°11'5	R	4 12 p. m.
1	23.267	19.89	81.3	41.17	80.2	·0530	.8011	19.11.4	B	5 12 ,,
2	22.854	19.68	79.5	41.22	79.0	.0495	.8016	19.12.0	B	6 12 ,,
3	23.404	19.51	78.9	41.31	78.5	.0468	.8026	19.12.8	B	7 12 ,,
4	22.854	19.41	78.1	41.36	78·2	.0452	.8033	19.13.3	B	8 12 ,,
5	22.581	19.40	77.8	41.31	78.0	.0450	.8026	19.13·0	H	9 12 ,,
6	22·581	19.41	77.3	41.38	77.5	.0452	.8034	19.13.3	H	10 12 ,,
7	22.787	19.44	76.9	41.46	77.0	.0457	·8043	19.13.6	H	11 12 ,,
8	22.649	19·40	76 3	41.60	76.5	.0450	.8058	19.14 3	H	Midnight.
9	22.305	19.54	75.8	41.59	76.2	.0473	.8057	19.14.1	R	1 12 a. m.
10	23·060	19.27	75.3	41.68	76.0	.0429	.8067	19.14.9	R	2 12 ,,
11	23 060	19.44	75.2	42.27	75.7	.0457	.8132	19.17.0	R	3 12 ,,
12	22.649	19.46	74.8	42.30	75.2	.0460	.8135	19.17.2	R	4 12 ,,
13	22.305	19.52	74.3	42.40	75.0	.0469	.8146	19.17.5	B	5 12 ,,
14	22.854	19.55	74·1	42.39	74·5	·0474	·8145	19·17.5	B	6 12 ,,
15	23.816	19.33	73.9	42.58	74.3	.0438	.8166	19.18.6	B	7 12 ,,
16	25·189	19.47	74·3	42 58	74.4	·0462	.8166	19.18.3	B	8 12 ,,
17	25.069	19.74	75.1	41.99	74.6	.0506	.8101	19.15.2	H	9 12 ,,
18	22.923	20.31	76.8	41.26	75.4	.0599	.8021	19.10.9	H	10 12 ,,
19	21.345	20.64	78.2	41.08	76.0	.0653	.8001	19.09.4	H	11 12 ,,
20	21.345	20.69	78.6	41.09	76.2	.0661	.8002	19.09.3	H	Noon.
21	22.374	20.63	79.2	41.39	77.3	.0651	.8034	19.10.7	R	1 12 p. m.
22	23.404	20.29	79.4	41.52	78.0	.0596	.8049	19.12.0	R	2 12 ,,
23	23.677	20.17	79.4	41.76	78.5	.0576	.8076	19.13.3	R	3 12 ,,
Jan. 15th-Noon.	23.540	20.33	79.0	41.56	78.5	.0602	.8054	19·12.2	B	4 12 ,,
1	23.060	20.00	78.1	41.44	77.4	.0548	.8040	19.12.3	B	5 12 ,,
2	22.374	19.76	76·7	41.62	76.5	.0509	.8060	19.13.6	B	6 12 ,,
3	23.267	19.88	76.3	41.75	76.3	.0528	.8075	19.13.9	B	7 12 ,,
4	22.581	19.63	76.0	41.79	76.2	.0487	.8079	19.14.5	B	8 12 ,,
5	22.649	19.64	75.6	41.74	76.3	.0489	.8073	19.14.3	R	9 12 ,,
6	22.444	19.60	75.0	41·72	75.5	.0482	.8071	19.14.4	R	10 12 ,,
7	22.444	19.54	74.5	41.91	75.4	.0473	.8092	19·15.3	R	11 12 ,,
8	22.854	19.63	74.1	42.00	75.0	.0487	.8102	19·15.4	R	Midnight.
9	22.787	19.53	73.8	42.09	74.8	.0471	.8112	19.16.1	H	1 12 a. m.
10	22.551	20.24	73·0	42.08	74.3	·0588	.8111	19.14.5	H	2 12 ,,
11	22.032	19.99	73.0	42·02	74.0	·0546	.8104	19.14.7	H	3 12 ,,
12	21.826	20.09	72.7	41.96	73.7	.0563	.8098	19.14.4	H	4 12 ,,
13	20.933	20.18	72.0	42.14	73.0	.0577	.8117	19.15.0	B	5 12 ,,
14	21.826	20·15	72.5	42.06	72.6	.0572	.8109	19.14.7	B	6 12 ,,
15	21.619	19.96	72.3	42.33	72.5	.0541	·8138	19.15.3	B	7 12 ,,
16	23.335	19.61	72.0	42.43	72.5	.0484	.8149	19.17.5	B	8 12 ,,
17	24.846	19.87	73 5	42.29	73.0	.0527	.8134	19.16.2	H	9 12 ,,
18	24·295	20.47	74.6	41.86	73.7	.0626	.8087	19.13.1	H	10 12 ,,
19	23·473	20.60	76.0	41.34	74.5	.0646	.8029	19·10.5	H	11 12 ,,
20	23·473	20.65	76.5	41.35	75.0	.0654	.8031	19.10.6	H	Noon.
21	23.473	20.46	77.5	41.26	76.0	.0614	.8021	19.10.8	R	1 12 p. m.
22	22.305	20.36	78·0	41.15	76.8	.0607	.8009	19.10.3	R	2 12 ,,
23	22.923	20.17	78.3	41.52	77.4	.0576	.8049	19.12.5	R	3 12 ,,
Jan. 16th-Noon.	23.746	19.98	78.2	41.66	78·0	.0544	.8065	19.13.4	R	4 12 ,,
1	23·677	19.76	77.4	41.64	77.4	.0509	.8062	19.13.6	B	5 12 ,,
2	22.923	19.42	76.5	41.66	77.0	.0453	.8065	19.14.5	B	6 12 ,,
3	23.060	19.14	76.3	41.78	76.6	·0407	.8078	19.15.6	B	7 12 ,,
4	23.473	19.26	76.1	41.57	76.4	.0427	.8055	19.14·5	B	8 12 ,,
5	22.718	19.08	76.0	41.48	76.1	.0397	.8045	19.14.5	H	9 12 ,,
6	23.130	18.81	75.6	41.73	75·8	.0353	.8072	19.16.0	H	10 12 ,,
7	23.335	18.82	75.0	41.82	75 4	.0354	.8082	19.16.4	H	11 12 ,,
8	23.335	19.05	75.0	41.81	75.1	.0392	.8081	19.15.9	H	Midnight.
9	22.923	19.39	75.0	41.79	75.5	.0443	.8079	19.15.0	R	1 12 a. m.
10	22.787	19.60	75.0	41.86	75.4	.0482	.8087	19.15.1	R	2 12 ,,
11	22.581	19.34	74.5	41·70	75.1	.0450	.8069	19.14.6	R	3 12 ,,

On the 13th, at about 19h. 25m., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 16TH TO 18TH JANUARY 1860.

Date. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1860.
h.										h. m.
Jan. 16th—12	22·444	19.38	74°3	41.78	75°0	8.0446	2.8079	19°15'0	R	4 12 a. m.
13	22.512	19.38	73.8	42.04	74.5	.0446	.8106	19.16.1	B	5 12 „
14	22.581	19.41	73.4	42.03	74.0	.0452	·8111	19.16.3	B	6 12 „
15	22.444	19.26	73·1	42.06	73·8	.0427	.8109	19.16.5	B	7 12 „
16	22.101	19.80	74·1	42.10	74.0	.0515	.8113	19.15.5	B	8 12 „
17	22.444	20.24	75.2	41.89	74.3	.0588	.8090	19.13.7	H	9 12 „
18	21.758	20.84	76.8	41.46	75.4	.0636	.8043	19.10.6	H	10 12 „
19	21.619	20.69	78.0	41.38	76.1	.0661	.8034	19.10.6	H	11 12 „
20	21.758	20.79	79.4	41.37	77·5	·0678	·8033	19.10.4	H	Noon.
21.	22.032	20.75	79·7	41.30	78.0	.0671	.8025	19.10.2	R	1 12 p. m.
22	21.963	20.64	80.2	41.21	79.0	.0653	.8015	19.10.0	R	2 12 „
23	22.101	20.39	80.6	41.29	79.5	.0612	.8024	19.10.9	R	3 12 „
Jan. 17th-Noon.	22·718	20.12	80.4	41·34	79.9	.0567	.8029	19.11.6	R	4 12 „
1	22.991	19.88	79.6	41.39	79·6	.0528	.8035	19.12.4	H	5 12 „
2	22.581	19·65	78.4	41.42	78.9	.0490	.8038	19.13.0	B	6 12 „
3	22.923	19.62	78.2	41.55	78.4	.0485	·8053	19.13.6	B	7 12 „
4	22.923	19.54	78.0	41.56	78.1	.0473	.8054	19.13.9	B	8 12 „
5	23.198	19.28	77.4	41.65	77.8	.0430	.8064	19.14.7	B	9 12 „
6	22.787	19.36	77.0	41·55	77.6	.0443	.8053	19.14.3	H	10 12 „
7	22.787	19.47	76.8	41.58	77·4	.0462	.8056	19.14.1	H	11 12 „
8	22.787	19.43	76.0	41.61	77.0	.0455	.8059	19.14.2	H	Midnight.
9	22.854	19.50	75.5	41.64	76.5	.0466	.8062	19.14.1	R	1 12 a. m.
10	22.923	19·59	75.4	41.76	76.4	.0481	.8076	19.14.6	R	2 12 „
11	22.581	19·53	75·0	41.78	76·0	.0471	.8078	19·14.8	R	3 12 „
12	22.237	19.60	74.8	41.79	75.6	.0482	.8079	19.14.7	R	4 12 „
13	22.512	19.55	74.4	41.81	75.2	.0474	.8081	19.14.9	B	5 12 „
14	22.168	19.71	74.2	41.87	74·9	·0501	.8088	19.14.8	B	6 12 „
15	22·649	19.76	74.2	41.94	74.6	.0509	.8095	19.15.0	B	7 12 „
16	23.816	20.00	74.6	42.09	74.6	.0543	.8112	19.15.0	B	8 12 „
17	25.189	20.25	75.3	42.20	75.0	.0589	.8124	19.15.0	H	9 12 „
18	25.189	20.59	77.0	41.62	75.8	.0645	.8060	19.11.7	H	10 12 „
19	22.444	20·85	78.2	41.10	76.8	.0687	.8003	19.09.0	H	11 12 „
20	21.895	20.89	79.4	41.33	77.8	.0694	.8028	19.11.0	H	Noon.
21	23.130	20.55	79.6	41·55	78.4	.0638	·8053	19.11.7	R	1 12 p. m.
22	23·404	20.52	80.1	41.27	79.0	.0633	.8022	19.10.5	R	2 12 „
23	23.198	20.34	80.5	41.25	79.5	.0604	.8024	19.11.0	R	3 12 „
Jan.18th-Noon.	22.649	20.15	80.0	41.27	79.8	.0572	.8022	19.11.3	R	4 12 „
1	22.787	19.97	79·0	41.40	79.5	·0543	.8036	19.12.4	R	5 12 „
2	22.374	19.94	78.0	41·51	78.6	.0538	.8048	19.12.8	B	6 12 „
3	22.787	19.82	77.6	41.63	78.2	·0518	.8061	19.13.4	B	7 12 „
4	22.923	19.69	77.4	41.63	77.7	.0497	.8061	19.13·7	B	8 12 „
5	22 923	19.61	77.0	41.65	77.5	.0484	.8064	19.14.1	B	9 12 „
6	22.787	19.56	76.7	41.62	77.2	.0476	.8060	19.14.0	H	10 12 „
7	22 923	19.63	76.0	41·76	77.0	.0487	.8076	19.14.4	H	11 12 „
8	23.444	19.75	76·4	41.86	77.2	.0507	.8087	19·14.7	H	Midnight.
9	22.649	19.70	76.0	41.85	76.6	.0499	.8086	19.14.7	R	1 12 a. m.
10	22·649	19.72	75 5	41.12	76.4	.0501	.8005	19.11.6	R	2 12 „
11	22.444	19·65	75.1	41.43	76.1	.0490	.8039	19.13.0	B	3 12 „
12	22.101	19.66	74.7	41.47	75.6	.0492	.8044	19.13.2	B	4 12 „
13	22.305	19.66	74.5	41.56	75·4	.0492	.8054	19.13.6	H	5 12 „
14	22.444	19·77	74.0	41.65	75.0	.0511	.8064	19:13.7	H	6 12 „
15	23.198	19.73	74.0	41.75	74·9	.0504	.8075	19.14.3	R	7 12 „
16	23.816	19.95	75.0	41.84	75.0	·0539	.8084	19.14.1	R	8 12 „
17	25.394	20.28	76.0	41.67	75.1	.0594	.8066	19.12.7	B	9 12 „
18	25.600	20.68	77.1	41.29	75.8	.0659	.8024	19.10.2	B	10 12 „
19	24.295	20.58	78.0	41·15	76.5	.0643	.8009	19.09.9	H	11 12 „
20	23.816	20.65	79.5	41.03	77.5	.0654	.7995	19.09.2	H	Noon.
21	24·021	20.42	80.4	41.04	78.5	.0617	.7996	19.09.6	R	1 12 p. m.
22	23.540	20.14	80·6	40.98	79.2	.0571	.7990	19.10.1	R	2 12 „
23	22.512	20.05	81.3	40.87	79.5	.0556	.7978	19.09.7	B	3 12 „

On the 16th, at about 19h. 10m., Dip as obtained by Observation was 19°08'1.

DAILY OBSERVATIONS FROM 19TH TO 22ND JANUARY 1860.

Date. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1860.
h.										h. m.
Jan. 19th-Noon.	22·874	19.96	81°2	40.95	80°0	8.0541	2.7987	19°10′4	B	4 12 p. m.
1	22.444	19.95	80.2	41.02	80.0	.0539	.7994	19.10.6	H	5 12 „
2	22.444	19.84	79.0	41.17	79.5	.0522	.8011	19.11.6	H	6 12 „
3	22.991	19.62	78.3	41.28	78.8	.0485	.8023	19.12.4	R	7 12 „
4	23.060	19·52	77.8	41.31	78.4	·0469	.8026	19.12.8	R	8 12 „
5	22.854	19.49	77.2	41.31	77.6	.0465	.8026	19.12.8	B	9 12 „
6	22.923	19.39	76.6	41.32	77.3	.0448	.8027	19·13.1	B	10 12 „
7	23.404	19.41	76.0	41.41	77.0	.0452	.8037	19.13.5	H	11 12 „
8	22.787	19.53	76.0	41.46	76.7	.0471	.8043	19.13.5	H	Midnight.
9	22.649	19.64	75.9	41.58	76.5	.0489	.8056	19.13·7	R	1 12 a. m.
10	22.444	19.55	75.3	41.55	76.4	.0474	.8053	19.13.9	R	2 12 „
11	22.305	19·59	75.2	41.56	76.0	.0481	.8054	19.13.8	R	3 12 „
12	22.101	19.74	74.7	41.47	75·6	.0506	.8044	19.13.0	R	4 12 „
13	21.415	19.70	73.9	41.80	75.0	.0499	·8080	19.14.5	B	5 12 „
14	21.345	19.85	73.3	41.59	74·5	.0523	.8057	19.13.4	B	6 12 „
15	22.101	19·77	73.5	41.83	74.3	.0511	.8083	19.14.5	B	7 12 „
16	23.267	20.33	74.6	41.99	74.6	.0602	.8101	19.14.0	B	8 12 „
17	25.532	20.38	76.0	42.05	75.0	.0610	.8108	19.14.2	H	9 12 „
18	26.218	20.43	77.3	41.08	76.0	.0619	.8001	19.09·8	H	10 12 „
19	24.502	20.50	78.5	41.20	76.7	.0630	.8014	19.10.2	H	11 12 „
20	23.677	20.49	79.4	41·05	77.5	.0629	.7998	19.09.6	H	Noon.
21	23.267	20.52	80.1	41.00	78.1	·0633	.7992	19.09.3	R	1 12 p. m.
22	22.718	20.29	80·5	40.92	78.8	.0596	.7983	19.09.4	R	2 12 „
23	22·168	20.11	80.5	40.88	79.4	.0566	.7979	19.09.6	R	3 12 „
Jan. 20th-Noon.	21.895	19.80	79.6	41.08	79.4	.0515	.8001	19.11.1	R	4 12 „
1	21.758	19.72	78.6	41·17	79·0	.0502	.8011	19.11.8	H	5 12 „
2	21.826	19.56	77.2	41.27	77.9	.0476	.8022	19.12.5	B	6 12 „
3	22.512	19.43	77.0	41.47	77.5	.0455	.8044	19.13.6	R	7 12 „
4	22.718	19.20	76.6	41.49	77.1	.0417	.8046	19.14.2	B	8 12 „
5	23.198	19.14	76.3	41.21	76.9	.0407	.8015	19.13.2	B	9 12 „
6	23·540	19.21	76.0	41.26	76.5	.0419	.8021	19.13.2	H	10 12 „
7	23.130	19·51	75.8	41.31	76·2	.0468	.8026	19.12·8	H	11 12 „
8	23.473	19.33	75.6	41.38	76.0	.0438	.8034	19.13.5	H	Midnight.
9	23.060	19.33	75.5	41.38	76.0	.0438	.8034	19.13·5	R	1 12 a. m.
10	22.787	19.45	75.3	41·60	75.9	.0458	.8058	19·14.2	R	2 12 „
11	23.130	19.47	74.7	41.63	75.5	.0462	.8061	19.14.2	R	3 12 „
12	23.130	19·59	74.4	41.61	75.2	.0481	.8059	19.14.0	R	4 12 „
13	23.677	19.58	74.0	41.65	74.6	.0479	·8064	19.14.1	B	5 12 „
14	23.677	19.48	74.0	41·59	74.5	.0463	.8057	19.14.2	B	6 12 „
15	22.032	19.41	73.9	41.63	74.3	.0452	.8061	19.14.3	B	7 12 „
16	22.374	19·71	74.9	41.62	74.5	.0501	.8060	19.13·7	B	8 12 „
17	23.473	20.05	76.0	41.76	75.2	.0556	.8076	19.13.5	H	9 12 „
18	25.394	20.30	77.2	41.72	75.8	.0597	.8071	19.12.8	H	10 12 „
19	24.846	20.24	77.7	41.38	76.1	·0588	.8034	19.11.5	H	11 12 „
20	22.854	20.31	78.1	41.30	76.7	.0599	.8025	19.11.1	H	Noon.
21	22.512	20.23	78.8	41.32	77.4	.0586	.8026	19.11.2	R	1 12 p. m.
22	23.540	19.93	79.0	41.29	78.0	.0536	.8024	19.11.8	R	2 12 „
23	22·718	19.83	79.0	41.14	78.5	.0520	.8007	19·11.4	R	3 12 „
Jan. 22nd-Noon.	22.787	19.73	81.5	40.58	80.9	.0507	.7946	19.09.2	H	4 12 „
1	22.101	19.59	80.2	40.86	80·3	.0481	.7977	19.10.8	H	5 12 „
2	22.444	19·41	78.2	41.06	78.6	.0452	·7999	19·11.9	H	6 12 „
3	22.787	19.26	77.0	41.28	77.5	.0427	.8023	19.13.2	H	7 12 „
4	22·923	19.25	76.5	41.34	77·1	.0425	.8029	19.13.4	B	8 12 „
5	22.991	19.23	76.0	41.31	77.0	.0422	·8026	19.13.4	B	9 12 „
6	23·104	19.40	75.7	41.39	76.2	.0450	.8035	19.13.4	B	10 12 „
7	23.267	19.35	75.4	41.38	76.0	.0441	.8034	19.13.5	B	11 12 „
8	23.198	19·30	75.0	42·58	76.0	.0433	.8166	19.18.7	R	Midnight.
9	23.473	19.46	74.8	42.67	75.8	.0460	.8171	19.18.5	R	1 12 a. m.
10	22.923	19.45	74.6	42.53	75.5	.0458	.8168	19.18.1	R	2 12 „
11	23·473	19.40	74.1	42.56	75.2	.0450	.1064	19.18.3	R	3 12 „

On the 19th, at about 19h. 15m., Dip as obtained by Observation was 19°07′5.
On the 20th, at about 19h. 45m., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 22ND TO 24TH JANUARY 1860.

DATE. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1860.
h.										h. m.
JAN. 22ND—12	22·787	19.38	74°0	42.57	75°0	8.0446	2.3165	19°18·3	R	4 12 a. m.
13	22.718	19.43	73.6	42.62	74.8	.0455	.8170	19.18.5	B	5 12 „
14	22.649	19.22	73.3	42.57	74.3	.0420	.8165	19.18.7	B	6 12 „
15	22.649	19.26	73.0	42.57	73.9	.0427	.8165	19.18.7	B	7 12 „
16	22.649	19.76	73·0	42.56	73.5	.0509	.8164	19.17.6	B	8 12 „
17	23.816	19.98	73.6	42.63	73.8	.0544	.8171	19.17.5	H	9 12 „
18	23.473	20.46	74.5	42.42	74.1	.0624	·8148	19.15 6	H	10 12 „
19	22.649	20.49	75.4	42.34	74.6	.0629	.8139	19.15.1	H	11 12 „
20	22.854	20.41	76 1	42.35	75.1	.0616	.8141	19.15.3	H	Noon.
21	22.787	20.26	76.7	42.27	75.5	.0591	.8132	19.15.3	R	1 12 p. m.
22	22.923	20.03	76·9	42.22	76.0	.0553	.8126	19.15.6	R	2 12 „
23	22.032	19.70	76.4	42.18	76.0	.0499	.8122	19.16.1	R	3 12 „
JAN. 23RD—Noon.	21·826	19·52	75.3	42.46	75.4	.0469	.8153	19.17.8	H	4 12 „
1	21.728	19.36	74.1	42.55	75.0	·0443	.8163	19.18.5	H	5 12 „
2	22.374	19.27	73.3	42.53	73.8	.0429	.8160	19.18.5	B	6 12 „
3	22.854	19.32	°73.0	42.93	73.5	·0436	.8204	19.20.1	B	7 12 „
4	23.060	19.30	72.6	42·77	73.1	.0433	.8187	19.19.6	B	8 12 „
5	23.130	19.21	72.0	42.73	72.9	.0419	·8182	19.19.4	R	9 12 „
6	22.991	19.22	71.4	42.70	72.4	.0420	.8179	19.19.3	R	10 12 „
7	23.130	19.24	70·9	42.55	71.9	·0424	.8163	19.18.7	R	11 12 „
8	23.130	19.17	70.0	42.89	71.4	.0412	.8200	19.20.4	R	Midnight.
9	23.130	19.13	69.4	42.92	70.8	.0405	.8203	19.20.5	H	1 12 a. m.
10	23.609	19.17	69.0	43.05	70.1	.0412	.8218	19.21.1	H	2 12 „
11	22.991	19·11	68.4	43.24	69.7	·0402	.8238	19.22.0	H	3 12 „
12	22.444	19.24	67.9	43.22	69.0	.0424	.8236	19.21.6	H	4 12 „
13	22.718	19.14	67.0	43.38	68.0	.0407	.8254	19.22.5	B	5 12 „
14	22.581	19.24	66·5	43.43	67.6	.0424	.8259	19.22.5	B	6 12 „
15	21.415	19.21	66.0	43.47	67.1	.0419	.8264	19.22.6	B	7 12 „
16	22.581	19.50	66.2	43·59	67.0	.0466	.8277	19.22.6	B	8 12 „
17	24.363	19.88	67.4	43.63	67.7	.0528	.8281	19.22.0	R	9 12 „
18	24.432	20.41	69.2	43.05	68.4	.0616	.8218	19.19.3	R	10 12 „
19	23.267	20.63	71.1	42.55	70.0	.0651	.8163	19.15.7	R	11 12 „
20	22.444	20.64	73.0	42.32	71.3	.0653	.8137	19.14.8	R	Noon.
21	22.718	20.60	74.6	42.28	72.8	.0646	.8133	19.14.6	H	1 12 p. m.
22	23.267	20.36	75.8	42.01	73.6	.0607	.8103	19.14.0	H	2 12 „
23	23.540	20.17	76.2	42.00	74.8	.0576	.8102	19.14.3	H	3 12 „
JAN. 24TH—Noon.	23.746	19.96	75.8	41.99	74.8	.0541	.8101	19.14.8	H	4 12 „
1	23.130	19.90	75·0	42.04	74.7	.0531	.8106	19.15.1	H	5 12 „
2	22.305	19.85	74·2	42.12	74.0	.0523	.8115	19.15.6	B	6 12 „
3	23.130	19.72	73.6	42.46	73.5	.0502	.8153	19.17.3	B	7 12 „
4	23.060	19·47	73·0	42.50	73.2	.0462	.8157	19.18.1	B	8 12 „
5	23.198	19·43	72.4	42.61	73.0	.0455	.8169	19.18.4	H	9 12 „
6	23.198	19.41	72.0	42.54	72.6	.0452	.8161	19.18.2	H	10 12 „
7	23.267	19.51	71.7	42.59	72.4	.0468	.8167	19.18.3	H	11 12 „
8	23.267	19.60	71.4	42.66	72.1	.0482	.8175	19.18.5	H	Midnight.
9	23.130	19.49	71.0	42.76	72.0	.0465	.8186	19.19.0	R	1 12 a. m.
10	22.787	19.55	71.4	42.66	71.9	.0474	·8175	19.18.6	R	2 12 „
11	22.923	19.57	71.0	42.71	71.6	.0478	.8180	19.18.7	R	3 12 „
12	22.923	19.42	70.0	42·76	71.3	.0453	.8186	19.19.2	R	4 12 „
13	22.512	19.52	70.3	42.83	71.0	.0469	.8193	19·19.3	B	5 12 „
14	22.444	19·56	70.0	42·97	70.5	.0476	.8208	19.19·8	B	6 12 „
15	22.854	19·54	69.3	43.02	70.1	.0473	.8214	19.20.1	B	7 12 „
16	22.991	19.99	70.3	43.16	70.3	.0546	.8230	19.19.7	B	8 12 „
17	23.816	20.38	72.0	42.98	71.0	.0610	.8210	19.19.2	H	9 12 „
18	24.707	20.70	74·0	42.61	72.0	.0663	.8169	19.15.9	H	10 12 „
19	23.746	20.98	76.0	42.57	73.6	.0708	·8165	19.15.1	H	11 12 „
20	23.198	20.99	77.7	42.05	75.0	.0710	.8108	19.12·9	H	Noon.
21	22.581	20.90	79.6	42.18	76.6	.0695	.8122	19.13.5	R	1 12 p. m.
22	22.444	20.56	80.1	42.09	77·5	.0610	·8112	19.14.3	R	2 12 „
23	22.991	20.18	80.0	42.12	78.0	.0577	.8115	19.14.9	R	3 12 „

On the 23rd, at about 19h. 25m., Dip as obtained by Observation was 19°06'9.

DAILY OBSERVATIONS FROM 25TH TO 27TH JANUARY 1860.

DATE. Göttingen Mean Time, 1860.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1860.
h.	°									h. m.
JAN. 25TH-Noon.	23°335	19.89	79°5	42.01	78°4	8.0530	2.8114	19°15′4	R	4 12 p. m.
1	23.130	19.64	78.0	41.89	77.8	.0489	.8090	19.15.0	H	5 12 ,,
2	21.826	19.44	76.6	42.28	77.0	.0457	.8124	19.16.7	B	6 12 ,,
3	22.581	19.15	76.0	42.43	76.1	.0408	.8149	19.18.4	B	7 12 ,,
4	22.787	18.99	75.5	42.43	75.8	.0382	.8149	19.18.8	B	8 12 ,,
5	23.060	18.84	75.2	42.51	75.2	.0358	.8158	19.19.4	B	9 12 ,,
6	23.198	18.73	75.0	42.55	75.0	.0340	.8163	19.19.8	H	10 12 ,,
7	23.609	18.75	74.9	42.65	75.0	.0343	.8174	19.20.2	H	11 12 ,,
8	23.816	19.00	74.3	42.62	74.7	.0384	.8170	19.19.6	H	Midnight.
9	23.816	19.39	74.0	42.68	74.6	.0448	.8177	19.18.9	R	1 12 a. m.
10	23.060	19.40	73.8	42.63	74.3	.0450	.8171	19.18.6	R	2 12 ,,
11	23.404	19.27	73.0	42.64	74.0	.0429	.8172	19.18.9	R	3 12 ,,
12	23.198	19.29	72.5	42.52	73.4	.0432	.8159	19.18.5	R	4 12 ,,
13	23.060	19.40	72.0	42.74	73.0	.0450	.8183	19.19.1	B	5 12 ,,
14	22.101	19.53	71.7	42.80	72.5	.0471	.8190	19.19.2	B	6 12 ,,
15	22.101	19.44	71.5	42.62	72.4	.0457	.8170	19.18.5	B	7 12 ,,
16	23.473	19.92	72.6	42.88	72.5	.0534	.8199	19.18.7	B	8 12 ,,
17	24.432	20.43	74.0	42.69	73.0	.0619	.8178	19.16.7	H	9 12 ,,
18	24.914	20.67	75.6	42.42	74.0	.0675	.8148	19.14.9	H	10 12 ,,
19	22.787	20.90	77.7	41.86	75.2	.0695	.8087	19.12.2	H	11 12 ,,
20	21.345	20.89	78.4	41.98	76.0	.0694	.8100	19.12.8	H	Noon.
21	21.826	20.68	79.1	42.06	77.0	.0659	.8109	19.13.5	R	1 12 p. m.
22	21.895	20.50	79.0	42.11	78.3	.0630	.8114	19.14.1	R	2 12 ,,
23	22.581	20.43	80.1	42.26	78·6	.0619	.8131	19.14.9	R	3 12 ,,
JAN. 26TH-Noon.	23.060	20.17	80.0	42.22	79.0	.0576	.8126	19.15.3	R	4 12 ,,
1	22.854	19.78	79.0	41.96	78.7	.0512	.8098	19.15.1	H	5 12 ,,
2	22.168	19.59	77.5	42.28	77.6	.0479	.8133	19.16.9	B	6 12 ,,
3	22.854	19.52	76.5	42.51	76.9	.0462	.8156	19.17.9	B	7 12 ,,
4	22.787	19.47	76.2	42.56	76.5	.0415	.8164	19.18.2	B	8 12 ,,
5	22.854	19.19	75.6	42.54	76.2	.0429	.8161	19.18.6	B	9 12 ,,
6	22.991	19.27	75.1	42.56	76.0	.0466	.8164	19.18.6	H	10 12 ,,
7	22.991	19.50	75.0	42.62	75.7	.0455	.8170	19.18.4	H	11 12 ,,
8	23.473	19.43	74.6	42.76	75.4	.0466	.8186	19.19.1	H	Midnight.
9	23.404	19.50	74.2	42.71	75.2	.0476	.8180	19.18.8	R	1 12 a. m.
10	23.267	19.56	74.2	42.65	75.0	.0502	.8174	19.18.4	R	2 12 ,,
11	22.787	19.72	74.0	42.74	74.8	.0463	.8183	19.18.5	R	3 12 ,,
12	22.991	19.48	73.7	42.88	74.5	.0463	.8199	19.19.6	R	4 12 ,,
13	23.335	19.49	73.0	43.04	73.9	.0465	.8216	19.20.2	B	5 12 ,,
14	23.335	19.54	72.8	43.06	73.6	.0473	.8219	19.20.3	B	6 12 ,,
15	23.609	19.52	72.9	43.01	73.6	.0469	.8213	19.20.1	B	7 12 ,,
16	24.159	19.61	74.0	42.96	73.7	.0484	.8208	19.19.8	B	8 12 ,,
17	24.483	19.94	75.2	42.63	74.2	.0538	.8191	19.17.5	H	9 12 ,,
18	24.914	20.22	76.6	42.15	75.0	.0584	.8119	19.15.0	H	10 12 ,,
19	23.267	20.45	78.0	42.73	76.0	.0622	.8182	19.16.8	H	11 12 ,,
20	22.718	20.59	79.1	42.91	77.0	.0645	.8202	19.18.2	H	Noon.
21	23.267	20.42	80.4	43.06	78.0	.0617	.8219	19.18.3	R	1 12 p. m.
22	23.335	20.17	81·4	43.12	79.0	.0576	.8225	19.19.2	R	2 12 ,,
23	21.758	19.74	81.6	42.99	79.6	.0670	.8211	19.17.4	R	3 12 ,,
JAN. 27TH-Noon.	21.208	20.63	81.0	43.30	80.0	.0651	.8245	19.19.0	R	4 12 ,,
1	21.688	20.16	79.6	43.38	79.4	.0574	.8254	19.20.4	H	5 12 ,,
2	21.619	20.01	78.0	43.45	78·4	.0550	.8262	19.20.8	B	6 12 ,,
3	22.649	19.77	77.2	43.63	77.5	.0511	.8281	19.22.9	B	7 12 ,,
4	22.444	19.79	76.6	43.71	77.1	.0514	.8290	19.22.6	B	8 12 ,,
5	22.787	19.47	76·1	43·72	76.6	.0462	.8291	19.23.2	B	9 12 ,,
6	23·473	19.31	75.6	43.41	76.2	.0435	.8257	19.22.3	H	10 12 ,,
7	23.816	19.18	75.0	43.90	76.0	.0413	.8311	19.24·7	H	11 12 ,,
8	24.021	19.35	74.9	44.02	75·6	.0441	.8324	19.24.8	H	Midnight.
9	24.363	19.36	74.9	44.02	75.5	.0443	.8324	19 24.8	R	1 12 a. m.
10	23.267	19.18	74.7	43.74	75.4	.0413	.8293	19.24.0	R	2 12 ,,
11	22.991	19.33	74.5	43.86	75.4	.0443	.8307	19.24.2	R	3 12 ,,

On the 26th, at about 19h. 30m., Dip as obtained by Observation was 19°08′8.

DAILY OBSERVATIONS FROM 27TH TO 30TH JANUARY 1860.

Date. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1860.
h.	° ′							° ′		h. m.
JAN. 27TH—12	22·787	19.27	74·4	44.00	74·9	8.0429	2.8322	19°24·8	R	4 12 a. m.
13	21.895	19.30	73.6	43.77	74.0	.0433	.8297	19.23.9	B	5 12 „
14	22.305	19.37	72.7	43.81	73.6	.0445	.8301	19.23.7	B	6 12 „
15	22.305	19.66	71.9	43.75	73.2	·0492	.8295	19.23.0	B	7 12 „
16	23.198	19.91	72.3	44.04	73.1	.0533	.8326	19.23.7	B	8 12 „
17	24·159	20.29	73.7	43.91	73.5	.0596	.8312	19.22.2	H	9 12 „
18	24·363	20.63	74.8	43.62	74.0	.0651	.8280	19·20.3	H	10 12 „
19	24.090	20.69	76.2	43.30	75.0	.0661	.8245	19.18.9	H	11 12 „
20	22.991	20.74	77.6	43.18	76.0	.0670	.8232	19·18.2	H	Noon.
21	21.345	21.14	78.4	43.31	76·9	.0735	.8251	19.18.1	R	1 12 p. m.
22	21.551	20.70	79.0	43.43	77.7	.0663	.8259	19.19.4	R	2 12 „
23	22.854	20.94	79.2	43.57	78.4	.0702	.8275	19.19.5	R	3 12 „
JAN. 29TH—Noon.	22.854	19.94	78.0	43.48	77.5	.0538	.8265	19.21.2	B	4 12 „
1	22.923	19.75	76.8	43.66	76.9	.0507	.8285	19·22.4	B	5 12 „
2	22.787	19.51	75.5	43.73	76.0	.0468	.8292	19.23.1	B	6 12 „
3	23.540	19.28	75.2	43.91	75.4	.0430	.8312	19.24.4	B	7 12 „
4	23.335	19.31	74.8	43.83	75.1	.0435	·8303	19.24.0	B	8 12 „
5	23.404	19.18	74.3	43.86	74.8	.0413	.8307	19.24.6	B	9 12 „
6	23.677	19.19	73.8	43.89	74.1	.0415	.8310	19.24.5	H	10 12 „
7	23.816	19.41	73.4	44.02	73.9	.0452	.8324	19.24.6	H	11 12 „
8	23.335	19.23	72.8	44.01	73.7	.0422	.8323	19.25.0	H	Midnight.
9	23.267	19·27	72.0	44.08	73·2	.0429	.8331	19.25.2	R	1 12 a. m.
10	23.060	19.30	71.8	44.13	73.0	.0433	.8336	19·25.4	R	2 12 „
11	22.923	19.35	71.6	44.14	72.7	.0441	.8337	19.25.4	R	3 12 „
12	22.718	19.42	71.4	44.22	72.4	·0453	.8346	19.25.5	R	4 12 „
13	22.305	19.24	70.8	44.26	72·0	.0424	.8351	19.26.1	B	5 12 „
14	22.718	19.37	70.1	44.24	71.4	.0446	.8348	19.25.6	B	6 12 „
15	21.826	19.50	69.6	44.38	70.9	.0466	.8364	19.25.9	B	7 12 „
16	22.444	19.89	70.2	44.62	70.7	.0530	.8390	19.26.2	B	8 12 „
17	23.540	20.49	71.4	44.86	71.3	.0629	.8417	19·26.0	R	9 12 „
18	24.363	20·64	73.0	44.63	72.0	.0653	.8391	19.24·6	R	10 12 „
19	24.914	20.96	75.0	44.34	73.3	.0705	.8359	19.22.7	R	11 12 „
20	25·120	21·03	76·6	44.04	74·5	.0717	.8326	19.21.2	R	Noon.
21	25.120	20·92	77.8	43.66	75.4	.0698	.8285	19.19.9	H	1 12 p. m.
22	25.257	21.01	78.4	43.39	76.2	.0714	·8255	19.18.7	H	2 12 „
23	23.473	20.43	78·5	43.34	76·8	.0619	.8249	19·19.5	H	3 12 „
JAN. 30TH—Noon.	22.854	20.09	78.0	43.60	76.8	·0563	·8278	19.21.4	H	4 12 „
1	22.923	19.71	77.0	43.70	76.8	.0501	.8289	19.22.6	R	5 12 „
2	23.198	19.45	75.5	43.83	76·0	.0453	.8303	19.23.7	B	6 12 „
3	23.816	19.37	75·0	43.98	75·2	.0445	.8320	19.24.5	B	7 12 „
4	23.816	19.31	74.5	44.02	74.6	.0435	.8324	19.24.8	B	8 12 „
5	23.267	19.32	74.2	44.01	74.3	.0436	.8323	19.24.8	B	9 12 „
6	23·267	19.30	73.6	44.02	74.0	.0433	.8324	19.24.9	H	10 12 „
7	23.335	19.37	73.0	44.11	73.6	.0445	.8334	19.25.0	H	11 12 „
8	23·267	19.45	72.6	44.19	73.1	.0458	.8343	19.25.3	H	Midnight.
9	23.267	19.47	72.4	44.19	73.0	.0462	.8343	19.25.3	R	1 12 a. m.
10	23.404	19.48	71.7	44.20	72.6	.0463	.8344	19.25.3	R	2 12 „
11	23.198	19.59	71.9	44.25	72.4	.0481	.8350	19.25.4	R	3 12 „
12	22.991	19.49	71.6	44.26	72.0	.0465	.8351	19.25.5	R	4 12 „
13	23.060	19.47	70.8	44.35	71.5	.0462	.8361	19.25.9	B	5 12 „
14	22.444	19.64	70.3	44.34	71·2	.0489	.8359	19.25.5	B	6 12 „
15	21·482	19.66	70.1	44.38	71.0	.0492	.8364	19.25.6	B	7 12 „
16	22.168	19.73	71.3	44.57	70.8	·0504	.8385	19·26.4	B	8 12 „
17	22.649	20.02	71.6	44.23	71·1	.0551	·8347	19.24.3	H	9 12 „
18	23.677	20.35	72.9	44.06	72.0	.0605	.8329	19.22.8	H	10 12 „
19	23.540	20.81	74·9	44.18	72.8	.0681	.8342	19.22.4	H	11 12 „
20	23.473	20.97	76.2	44.92	74·0	.0707	.8423	19.25.2	H	Noon.
21	24·226	20.99	77.5	44.90	75.2	.0710	.8421	19.25.1	R	1 12 p. m.
22	24.021	20.84	78.0	45.68	76.0	.0686	·8397	19.24.4	R	2 12 „
23	23.267	20.63	78.1	44·50	76·5	.0651	·8377	19.24.1	R	3 12 „

On the 27th, at about 20h., Deflection Observations were taken.

On the 30th, at about 19h., Dip as obtained by Observation was 19°06′4.

DAILY OBSERVATIONS FROM 31ST JANUARY TO 2ND FEBRUARY 1860.

Date. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1860.
h.										h. m.
Jan. 31st-Noon.	22787	20.30	77·5	44.60	76·6	8.0597	2.8388	19°25′2	R	4 12 p. m.
1	22.923	20·15	76.9	44.99	76.2	.0572	.8431	19.27.3	H	5 12 ,,
2	22.718	19.86	75.5	45.07	75.5	.0525	·8440	19.28.2	B	6 12 ,,
3	23.130	19.68	74.8	45.15	75.0	.0495	.8449	19.28.9	B	7 12 ,,
4	23·335	19.65	74.3	45.36	74.5	·0490	.8472	19.29.8	B	8 12 ,,
5	23.198	19.38	74.1	45.37	74·2	.0446	.8473	19.30.4	B	9 12 ,,
6	24.090	19.38	73.8	45.37	74.0	.0446	.8473	19·30.4	H	10 12 ,,
7	23.404	19.46	73.3	45.46	73.6	.0460	.8483	19.30.7	H	11 12 ,,
8	23·540	19.54	73.0	45·50	73.4	.0473	.8487	19.30.8	H	Midnight.
9	23.335	19.57	72.3	45.58	73.0	.0478	·8496	19.31.0	R	1 12 a. m.
10	22.991	19.60	71.7	45.54	72.6	.0482	.8491	19.30.8	R	2 12 ,,
11	22.854	19.48	71.0	45.56	72.2	.0463	.8494	19.31.5	R	3 12 ,,
12	22.374	19.56	71.0	45.63	71.8	.0476.	.8501	19.31.2	R	4 12 ,,
13	21.895	19.62	70.5	45.74	71.3	.0485	.8513	19.31.5	B	5 12 ,,
14	22.101	19.71	70.0	45.78	70.9	.0501	.8518	19.31.6	B	6 12 ,,
15	22.305	19.65	70.3	45.94	70.8	.0490	·8535	19.32.4	B	7 12 ,,
16	22.991	19.75	71.2	46.11	71.0	.0507	.8554	19.32.9	B	8 12 ,,
17	24.226	19.96	71.8	45.95	71.6	.0541	.8537	19.31.9	H	9 12 ,,
18	24·159	20.45	73.6	45.67	72.2	.0622	.8506	19.30.8	H	10 12 ,,
19	23.473	20.67	75.1	45.50	73.2	.0658	.8487	19.28.3	H	11 12 ,,
20	23.335	20.80	76.3	45·52	74·0	.0679	.8489	19.28.1	H	Noon.
21	23.473	20.72	77.4	45.41	74.9	.0666	.8477	19.27.8	R	1 12 p. m.
22	22.649	20.54	77.7	45·11	75.7	.0637	.8444	19.26.9	R	2 12 ,,
23	22.581	20.33	77.9	45.11	76.4	.0602	.8444	19·27.4	R	3 12 ,,
Feb. 1st-Noon.	22.787	20.18	77·6	45·13	76.5	.0577	.8446	19.27.8	R	4 12 ,,
1	22.923	19.96	77.0	45.14	76.2	.0541	.8447	19.28.4	H	5 12 ,,
2	22.991	19·74	75.6	45.27	75.5	.0506	.8462	19.29.2	B	6 12 ,,
3	23.198	19.58	75·0	45.43	75.1	.0479	.8479	19.30.3	B	7 12 ,,
4	23.335	19.61	74.5	45.46	74.7	·0484	.8483	19.30.5	B	8 12 ,,
5	23.130	19.54	74.2	45.43	74.4	.0473	·8479	19.30.4	B	9 12 ,,
6	22 854	19.57	74·0	45.48	74.0	.0478	.8485	19.30.6	H	10 12 ,,
7	22.787	19.65	73.6	45.50	74.0	.0490	.8487	19.30.5	H	11 12 ,,
8	23·060	19.61	73.1	45.61	73.6	.0484	.8499	19.31.1	H	Midnight.
9	22.581	19.49	72.7	45.60	73.4	·0465	.8498	19.31.2	R	1 12 a. m.
10	22.718	19.66	72.5	45.64	73.0	.0492	.8502	19.31.0	R	2 12 ,,
11	22.649	19.71	72.0	45.72	72.6	.0501	.8511	19.31·3	R	3 12 ,,
12	22.512	19.81	71.7	45.77	72.5	.0517	.8517	19.31.3	R	4 12 ,,
13	22.168	19.73	71.0	45.76	71.9	·0504	.8546	19.31.5	B	5 12 ,,
14	22.444	19.81	70·9	45.87	71.6	.0517	.8528	19.31.7	B	6 12 ,,
15	22.305	19.95	71.1	45.87	71.5	.0539	.8528	19.31.5	B	7 12 ,,
16	23.335	20.04	71·6	46.00	71.6	.0555	.8542	19.31.7	B	8 12 ,,
17	23.609	20.44	72.6	45.86	72.0	.0621	.8527	19.30.4	H	9 12 ,,
18	23.884	20.74	74.0	45.78	72.6	·0670	.8518	19.29.4	H	10 12 ,,
19	23.816	20.84	75.7	45.01	73.7	·0686	.8433	19.25.8	H	11 12 ,,
20	23.884	20.84	76.4	44.83	74.4	.0686	.8413	19.25.0	H	Noon.
21	24.295	20.78	77.0	44.68	75.4	.0676	·8397	19.24.6	R	1 12 p. m.
22	23.335	20.47	77.9	44.29	76.2	.0626	.8345	19.23.2	R	2 12 ,,
23	21.071	20.45	78.0	43·98	77.0	.0622	.8320	19.22.3	R	3 12 ,,
Feb. 2nd-Noon.	20.590	20.27	77.6	44.49	76.9	.0593	.8376	19.24.8	R	4 12 ,,
1	21.963	20.13	77.0	44.90	76.7	.0569	.8421	19.26.9	H	5 12 ,,
2	22.305	20.08	76.0	44.88	76.0	.0561	.8419	19.26.9	B	6 12 ,,
3	22.923	19.89	75.5	45.02	75.5	·0530	.8434	19.27.9	B	7 12 ,,
4	23.130	19.80	75.2	45.08	75.3	.0515	.8441	19·28.3	B	8 12 ,,
5	23.060	19.76	75.0	45.05	75.1	.0509	.8438	19.28.4	B	9 12 ,,
6	22.854	19.61	74.8	45.01	75.0	.0484	·8433	19.28.6	H	10 12 ,,
7	23.267	19.49	74.4	45.10	74·6	·0465	.8443	19.29.1	H	11 12 ,,
8	23.473	19.47	74.0	45.13	74.4	·0462	.8446	19.29.3	H	Midnight.
9	23.198	19.64	73.2	45·12	74.0	·0489	.8445	19.28.9	R	1 12 a. m.
10	22·991	19.67	73.0	45.29	73.5	.0494	.8464	19.29.5	R	2 12 ,,
11	22.854	19.70	72.7	45.30	73.4	.0499	.8465	19.29.5	R	3 12 ,,

DAILY OBSERVATIONS, FROM 2ND TO 5TH FEBRUARY 1860.

Date. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1860.
h.										h. m.
Feb. 2nd—12	22'718	19.73	72°6	45.30	73°2	8.0504	2.8465	19°29'5	R	4 12 a. m.
13	22.237	19.85	72.3	45.34	73.0	.0523	.8469	19·29.3	B	5 12 „
14	22.374	19.96	72.3	45.30	72·6	.0541	.8465	19.29.0	B	6 12 „
15	21.963	20.00	72.3	45.30	72.6	.0548	.8465	19.28.8	B	7 12 „
16	22.787	20.13	72·6	45.50	72.6	.0569	.8487	19.29.5	B	8 12 „
17	24.363	20.34	73.3	45.59	73.0	.0604	.8497	19.29.5	H	9 12 „
18	25.532	20.70	75.0	45.47	73.8	·0663	.8484	19.23.1	H	10 12 „
19	25.669	20.96	76.6	44.94	74.8	.0705	.8425	19.25.3	H	11 12 „
20	24.226	21.12	78.1	44.48	76.0	.0731	.8375	19.23.0	H	Noon.
21	22.923	20.98	78.8	44.36	77.0	.0708	.8362	19.22.7	R	1 12 p. m.
22	21.895	20.78	79.5	44.33	77.7	.0676	.8358	19.23.1	R	2 12 „
23	21.415	20.41	79.5	44.53	78.2	.0616	.8380	19.24.6	R	3 12 „
Feb. 3rd—Noon.	22.444	20.10	79.0	44.76	78.5	.0564	.8406	19.26.5	R	4 12 „
1	22.991	19.87	78.0	44.76	78.5	.0527	·8406	19.26.8	H	5 12 „
2	22.991	19.81	77.0	44.78	77.8	.0517	.8408	19.27.0	B	6 12 „
3	23.130	19.71	76.6	44.86	77.0	.0501	.8417	19.27.7	B	7 12 „
4	23.267	19.67	76.4	44.88	76.6	.0494	.8419	19.27.8	B	8 12 „
5	22.991	19.66	75.9	44·89	76.4	.0492	.8420	19.27.9	B	9 12 „
6	22.854	19.66	75.5	44.92	76.0	.0492	.8423	19.28.0	H	10 12 „
7	22.923	19.77	75.0	44·97	75.5	.0501	.8429	19·28.1	H	11 12 „
8	22.787	19.74	74.8	45.06	75.3	.0506	·8439	19.28.4	H	Midnight.
9	22.923	19.74	74.8	45.05	75.0	.0506	.8438	19.28.4	R	1 12 a. m.
10	22.787	19.76	74·6	45.04	74.8	.0509	.8436	19.28.3	R	2 12 „
11	22.991	19.73	74.4	45.11	74.4	.0504	.8444	19.28.6	R	3 12 „
12	22.854	19.65	73.6	45.02	74.1	.0490	.8434	19.28.9	R	4 12 „
13	22.649	19·82	73.5	45.03	73.6	.0518	.8435	19.28.1	B	5 12 „
14	22.168	19.81	73.1	45.15	73.2	.0517	.8449	19.28.6	B	6 12 „
15	22.082	19.74	72.6	45.23	72.7	.0506	.8457	19.29.2	B	7 12 „
16	22.854	19.79	73.1	45.44	73.0	.0514	.8480	19.30.0	B	8 12 „
17	23.609	20.12	74.0	45.30	73.4	.0567	.8465	19·28.6	H	9 12 „
18	23.953	20.61	76.0	44·99	74.5	.0648	.8431	19.26.2	H	10 12 „
19	23.677	20.99	77.7	44.77	75.6	.0710	.8407	19.24.6	H	11 12 „
20	23.609	20.90	78.6	44.32	76.5	.0695	.8357	19.22.8	H	Noon.
21	23.677	20.78	79.3	44.74	77.2	.0676	.8403	19.24.8	R	1 12 p. m.
22	23.335	20.55	79.6	44.48	77.9	.0638	.8375	19.24.2	R	2 12 „
23	22.718	20.20	79.4	44.45	78.3	.0581	.8372	19.24.8	R	3 12 „
Feb. 5th—Noon.	22.718	20.27	79.0	44.46	78.6	.0593	.8373	19.24.7	R	4 12 „
1	22.305	20.02	77.7	44.66	78.0	.0551	·8395	19.26.1	R	5 12 „
2	22.581	19.92	76.9	44.83	77.6	.0534	·8413	19.27.1	R	6 12 „
3	22.787	19.66	76.5	44.84	77.0	.0492	.8414	19.27.6	R	7 12 „
4	22.991	19.49	76.3	44.99	76.5	.0457	.8431	19.28.7	R	8 12 „
5	23.267	19.39	75.9	44.98	76.1	.0448	.8420	19.28.4	B	9 12 „
6	23.130	19.51	75.5	45.03	75·9	.0468	.8435	19.28.8	B	10 12 „
7	22.923	19.61	75.2	45.12	75.6	.0484	.8445	19.29.1	B	11 12 „
8	22.991	19.71	75.4	45.12	75.5	.0501	.8445	19.28.8	B	Midnight.
9	23.060	19.74	75·0	45.16	75.4	.0506	.8450	19.28.9	C	1 12 a. m.
10	23·404	19.77	74.4	45.15	75.1	.0511	.8449	19.28.8	C	2 12 „
11	22.991	19.70	74.0	45.13	74.8	.0499	.8446	19.28.8	C	3 12 „
f2	22.444	19.94	74.4	45.23	75.0	.0538	.8457	19.28.8	C	4 12 „
13	22·237	19.92	74.4	45·15	75.0	.0534	.8449	19.28.5	R	5 12 „
14	22.374	19·97	74.0	45.14	74.6	.0543	.8447	19.28.4	R	6 12 „
15	23·649	19.99	73.5	44.92	74.1	.0546	.8423	19.27.2	R	7 12 „
16	23.677	20.27	74.0	45.40	74.0	.0593	.8476	19.28.7	R	8 12 „
17	24.984	20.66	75.0	45.12	74.6	.0656	.8445	19.26.7	B	9 12 „
18	25.257	21.14	76.6	44·77	75.5	.0735	.8407	19.24.2	B	10 12 „
19	24.295	21.52	78.5	44.42	76·6	.0797	.8368	19.21.8	B	11 12 „
20	23.953	21.50	79.8	44.35	77.6	.0794	.8361	19.21.6	B	Noon.
21	23.953	21.32	80.4	44·35	78.4	.0764	.8361	19.22.0	C	1 12 p. m.
22	23·267	21.01	80.5	44·17	79.0	.0714	.8341	19.22.0	C	2 12 „
23	22.101	20.67	80.2	44.19	79.0	.0658	.8343	19.22.7	C	3 16 „

On the 2nd, at about 19h. 45m., Dip as obtained by Observation was 19°04'4.
On the 3rd, at about 19h. 45m., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 6TH TO 8TH FEBRUARY 1860.

DATE. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1860.
h.										h. m.
FEB. 6TH-Noon.	22'581	20.44	80°0	44·34	79°2	8.0621	2.8359	19°23'8	C	4 12 p. m.
1	22.787	20.20	79.0	44·38	79.2	.0581	.8364	19.24.5	R	5 12 ,,
2	22.787	20.04	78.4	44.41	78.6	.0555	.8367	19.24.9	R	6 12 ,,
3	23·060	20.34	78.0	44.55	78.4	.0604	.8383	19·25.0	R	7 12 ,,
4	22.991	20.24	77.8	44.44	78.0	.0588	.8370	19.24.6	R	8 12 ,,
5	22.787	20.22	77.7	44.25	77.6	.0584	.8350	19.24.1	B	9 12 ,,
6	22.581	20.18	77.7	44.38	77.6	.0577	.8364	19.24.5	B	10 12 ,,
7	22.718	20.05	77.5	44.45	77.5	.0556	.8372	19.25.0	B	11 12 ,,
8	22.718	20.19	77.3	44.51	77.5	.0579	.8378	19.25.1	B	Midnight.
9	22.787	20.23	77.0	44.47	77.4	.0586	.8374	19.24.7	C	1 12 a. m.
10	22.854	20.25	76.6	44.49	77.0	.0589	.8376	19.24.8	C	2 12 ,,
11	22.854	20.27	76.2	44.50	76.6	.0593	.8377	19.24.9	C	3 12 ,,
12	22.512	20.30	75.7	44.38	76.3	.0597	.8364	19.24.2	C	4 12 ,,
13	22.374	20.32	75.4	44.43	76.3	.0600	.8369	19.24.4	R	5 12 ,,
14	22·101	20.34	75.4	44.26	76.0	.0604	.8351	19.23.8	R	6 12 ,,
15	22.032	20.40	75.0	44.45	75.6	.0614	.8372	19.24.4	R	7 12 ,,
16	23.130	20.56	74.8	44·62	75.5	.0640	.8391	19.24.8	R	8 12 ,,
17	23.677	20.96	75.6	44.52	75.3	.0705	.8379	19.23.4	B	9 12 ,,
18	24·159	21.24	76.9	44.28	76.1	·0752	.8353	19.21.9	B	10 12 ,,
19	23.335	21.50	77.6	43.95	76.6	.0794	.8317	19.20.0	B	11 12 ,,
20	22·991	21.42	78.5	43.97	77·3	.0781	.8319	19.20.2	B	Noon.
21	22.649	21.21	79.5	43.94	78.0	.0747	.8315	19.20.4	C	1 12 p. m.
22	22·649	20.93	79.6	43.93	78.6	.0700	.8314	19.21.0	C	2 12 ,,
23	22.101	20.79	79.6	43.92	78.9	.0678	.8313	19.21.3	C	3 12 ,,
FEB. 7TH-Noon.	22.032	20.68	79·7	43.98	79.2	.0659	.8320	19·21.8	C	4 12 ,,
1	21.963	20.65	79.6	44.04	79.5	.0654	.8326	19.22.1	R	5 12 ,,
2	22.101	20.50	78.4	44.20	79.0	.0630	.8344	19.23.1	R	6 12 ,,
3	22.649	20.38	78.0	44.30	78.4	.0610	.8355	19.23.9	R	7 12 ,,
4	22.787	20.19	77.6	44·28	78.0	.0579	.8353	19.24.2	R	8 12 ,,
5	22.718	20.11	77.2	44.15	77.5	.0566	.8339	19.23.7	B	9 12 ,,
6	22.854	20.24	76.9	44.22	77.3	.0588	.8346	19·23.7	B	10 12 ,,
7	22.787	20.24	76.7	44.27	77.0	.0588	.8352	19.23.9	B	11 12 ,,
8	22.444	20.29	76.5	44.36	76.9	.0596	.8362	19.24.1	B	Midnight.
9	22.752	20.29	76.5	44.31	76.8	.0596	.8356	19.24.0	C	1 12 a. m.
10	22.649	20.20	76.3	44.24	76.4	.0581	.8348	19·24.0	C	2 12 ,,
11	22.923	20.21	75.9	44.28	76.3	.0583	.8353	19.24.2	C	3 12 ,,
12	22·581	20.01	75.2	44.35	76.0	.0550	.8361	19.24.7	C	4 12 ,,
13	22.032	20.32	75.0	44.38	76.0	.0600	.8364	19.24.2	R	5 12 ,,
14	22.101	20.35	74·7	44.57	75.7	.0605	.8385	19.25.0	R	6 12 ,,
15	22.237	20.37	74.4	44.57	75.5	.0609	.8385	19.25.0	R	7 12 ,,
16	23.816	20.65	75.5	44.67	75.5	.0654	·8396	19.24.8	R	8 12 ,,
17	25.806	20.95	76.6	44.63	76·0	.0703	.8391	19.24.0	B	9 12 ,,
18	25.463	21.19	77.6	43.96	76.6	.0743	.8318	19·20.7	B	10 12 ,,
19	23.540	21.26	78.2	43.57	77·2	.0755	.8275	19.18.7	B	11 12 ,,
20	22.854	21.14	79.3	43.66	78.0	.0735	.8285	19·19.4	B	Noon.
21	23.677	20.95	80.0	43.97	78.9	.0703	.8319	19.21.2	C	1 12 p. m.
22	23.130	20.91	80.7	43.95	79.6	.0697	.8317	19.21.2	C	2 12 ,,
23	22.923	20.75	80.9	43.85	80.0	.0671	·8306	19.21.1	C	3 12 ,,
FEB. 8TH-Noon.	22.649	20.65	81.0	43·87	80·5	.0654	.8308	19·21.4	C	4 12 ,,
1	22.101	20·50	80.0	43·92	80.7	.0630	.8313	19.21.9	R	5 12 ,,
2	21.688	20·42	78.7	43.94	79.7	.0617	.8315	19.22.1	R	6 12 ,,
3	22.444	20.22	78.2	44.12	79.0	.0584	.8335	19.23.5	R	7 12 ,,
4	22.649	20.17	78.0	44.16	78.7	.0576	.8340	19.23.7	R	8 12 ,,
5	22.718	20·08	77.5	44·09	78.2	.0561	.8332	19.23.5	B	9 12 ,,
6	22.787	20·04	77.2	44.06	78.0	.0555	.8329	19·23.4	B	10 12 ,,
7	22.718	20.07	77.0	44.15	77.8	.0560	.8339	19.23.8	B	11 12 ,,
8	22.854	20.17	76·9	44.19	77.5	.0576	.8343	19.23.8	B	Midnight.
9	22.923	20.14	76.7	44.20	77.2	.0571	·8344	19.23.9	C	1 12 a. m.
10	22.512	20.19	76.6	44·18	77.0	·0579	.8342	19.23.7	C	2 12 ,,
11	22.581	20.08	76.0	44.16	76.9	.0561	.8340	19.23.9	C	3 12 ,,

DAILY OBSERVATIONS FROM 8TH TO 10TH FEBRUARY 1860.

Date. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1860.
h.										h. m.
Feb. 8th—12	22'168	20.19	75°4	44.20	76°5	8.0579	2.8344	19°23'8	C	4 12 a. m.
13	22.101	20.17	74.9	44.24	76.3	.0576	.8348	19.24.0	R	5 12 „
14	21.482	20.37	74.5	44.07	75.7	.0609	.8330	19.22.9	R	6 12 „
15	21.688	20.58	74.4	44.13	75.5	.0643	.8336	19·22.7	R	7 12 „
16	23.130	20.96	75.4	44.42	75.6	·0705	.8368	19.23.0	R	8 12 „
17	25.463	21.42	76.8	44.31	76.2	.0781	.8356	19.21.7	B	9 12 „
18	26.149	21.56	77.6	43.90	76.6	.0804	.8311	19.19.6	B	10 12 „
19	24.363	21.76	78.5	43.54	77.3	.0837	.8271	19.17.5	B	11 12 „
20	22.787	21.80	79.3	43.64	78.0	.0843	.8282	19.17.9	B	Noon.
21	23.130	21.47	80.0	43.77	78.9	.0790	·8297	19.19.2	C	1 12 p. m.
22	22.305	21·22	80.8	43.73	79.3	.0748	.8292	19.19.4	C	2 12 „
23	21.895	20.97	81.0	43.32	80.0	.0707	.8247	19.18.4	C	3 12 „
Feb. 9th-Noon.	22.032	20.87	81.1	43.58	80.5	.0691	.8276	19.19.6	C	4 12 „
1	22.237	20·80	80.5	43.69	81.0	.0679	.8288	19.20.3	R	5 12 „
2	22.101	20.67	79.4	43.72	80.1	.0658	.8291	19.20.6	R	6 12 „
3	22.374	20.44	79.0	43.79	79.7	·0621	.8299	19.21.4	R	7 12 „
4	22.787	20.20	78.6	43.78	79.4	.0581	.8298	19.22.0	R	8 12 „
5	22.718	20.05	78.0	43.91	78.5	.0556	.8313	19.22.8	B	9 12 „
6	23.060	19.97	77.4	43.99	78.1	.0543	.8321	19·23.4	B	10 12 „
7	23.130	19.96	77.3	44.04	77.9	.0541	.8326	19·23.6	B	11 12 „
8	22.991	20.05	76.9	44.03	77.5	.0556	.8325	19.23.3	B	Midnight.
9	22.923	19.94	76.6	44.12	77.3	.0538	.8335	19.24.0	C	1 12 a. m.
10	22.444	20.12	76.6	44.31	77.0	.0567	.8356	19.24.4	C	2 12 „
11	22.649	20.13	76.4	44.30	76.9	.0569	.8355	19.24.4	C	3 12 „
12	21.826	20.08	76.0	44.24	76.5	.0561	.8348	19.24.2	C	4 12 „
13	21.415	19.99	75.5	44.30	76.5	.0546	.8355	19.24·6	R	5 12 „
14	21.276	20.11	74.7	44.03	76.0	.0566	.8325	19·23·2	R	6 12 „
15	21.071	20.14	73.7	44.12	75.5	.0571	.8335	19.23.6	R	7 12 „
16	23.130	20.74	74.2	44.31	75.4	.0670	.8356	19.23.1	R	8 12 „
17	24.226	21.27	75.5	44.33	75.9	.0757	.8358	19.22.0	B	9 12 „
18	24.914	21.92	77.6	44.06	76·7	.0862	.8329	19.19.5	B	10 12 „
19	24.707	21.92	78.8	43.93	77.6	.0862	.8314	19.18.9	B	11 12 „
20	24.432	21.88	79.5	43.89	78.0	.0856	.8310	19.18.8	B	Noon.
21	24.159	21.56	80.4	44.07	79.0	.0804	.8330	19.20.4	C	1 12 p. m.
22	23.953	21.10	80.7	44.03	79.3	.0728	.8325	19.21.1	C	2 12 „
23	22.923	20.69	81.0	43.89	80.0	.0645	.8310	19.21.5	C	3 12 „
Feb. 10th-Noon.	22.718	20.61	81.2	43.90	80.8	.0648	.8311	19.21.5	C	4 12 „
1	21.963	20.54	80.6	43.78	81.1	.0637	.8298	19·21.2	R	5 12 „
2	21.758	20.37	79.4	43.91	80.4	.0609	.8312	19.22.1	R	6 12 „
3	22.512	20.14	79.0	43.94	79.7	.0571	.8315	19.22.3	R	7 12 „
4	22.581	20.15	78.9	44.02	79.4	.0572	.8324	19.23.1	R	8 12 „
5	22.649	20.13	78.2	43.96	78·7	.0569	.8318	19.22.8	B	9 12 „
6	22.991	20.03	77.6	44.03	78.4	.0553	.8325	19.23.4	B	10 12 „
7	23.060	20.00	77.2	44.09	78.2	.0548	.8332	19.23.6	B	11 12 „
8	23.130	20.27	77.0	44.10	78.0	.0593	.8333	19.23.2	B	Midnight.
9	23.473	20.13	77.4	44.21	77.8	.0569	.8345	19.24.0	C	1 12 a. m.
10	23·816	19.78	77.1	43.98	77·5	·0512	.8320	19.23.8	C	2 12 „
11	23.473	20.01	77.0	43.92	77.4	.0550	·8313	19.22·9	C	3 12 „
12	23.130	19.87	76.5	53.91	77.1	.0527	.8312	19.23.1	C	4 12 „
13	22.444	19.98	76.0	43.95	77.0	.0544	.8317	19·23.3	R	5 12 „
14	21.895	19.89	75.5	43.90	76.7	.0530	.8311	19.23.1	R	6 12 „
15	21.895	20.02	75.4	44.05	76.4	·0551	.8328	19.23.5	R	7 12 „
16	22.787	20.48	76.0	44.30	76.5	.0627	.8355	19.23.6	R	8 12 „
17	24.090	21.05	77.5	44.19	77.0	.0720	.8343	19.21.9	B	9 12 „
18	24.502	21.43	79.1	43.93	77.8	.0783	.8314	19.20.0	B	10 12 „
19	23.884	21.71	80.5	43.57	79.1	.0829	.8275	19.17.8	B	11 12 „
20	23.130	21.82	81.5	43.79	79·8	.0845	.8299	19.18.4	B	Noon.
21	23.816	21.50	82.2	43.92	80.5	.0794	.8313	19.19.8	C	1 12 p. m.
22	24.159	21.13	82.7	43.89	81.3	.0733	.8310	19.20.5	C	2 12 „
23	24.432	20.77	82.9	43.88	82.0	.0675	.8309	19.21.1	C	3 12 „

On the 9th, at about 19h. 30m., Dip as obtained by Observation was 19°00'0.
On the 10th, at about 19h. 30m., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 12TH TO 14TH FEBRUARY 1860.

DATE. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1860.
h.										h. m.
FEB. 12TH-Noon.	22·923	20.44	83·4	43.56	83·1	8.0621	2.8274	19°21'4	R	4 12 p. m.
1	22.787	20.31	82.3	43.69	83.0	·0599	.8288	19.21.3	R	5 12 „
2	22.374	20.15	81.0	43.61	82.0	.0572	.8279	19.21.3	R	6 12 „
3	23.060	19.50	80.5	43.78	81.4	.0466	.8298	19.23.4	R	7 12 „
4	23.816	18.98	80.0	43.73	81·0	.0380	.8292	19.24.3	R	8 12 „
5	23.953	18.72	79.5	43.78	80.5	.0338	.8298	19.25.1	B	9 12 „
6	24.363	18.57	79.3	43.91	80.2	.0314	.8312	19.26.0	B	10 12 „
7	24.639	18.79	79.2	44.01	79.8	·0350	.8323	19·25.9	B	11 12 „
8	24.639	18.97	78.8	43.98	79.4	.0379	.8320	19.25.5	B	Midnight.
9	23.953	19.06	78·6	43.95	79·2	.0394	.8317	19.25.2	C	1 12 a. m.
10	24.090	19.69	78.3	43.97	78.9	.0497	.8319	19.23.8	C	2 12 „
11	23.816	19.41	78.0	43.96	78.8	.0452	.8318	19.24.4	C	3 12 „
12	23.473	19.60	77·8	43.91	78·4	.0482	.8312	19.23.8	C	4 12 „
13	22.787	19.63	77.2	44.80	78.2	.0487	.8410	19.27.5	R	5 12 „
14	22.444	19.80	77.5	44.85	78.4	·0515	.8416	19.27·3	R	6 12 „
15	22.032	19·90	77.5	44·84	78·1	.0131	.8414	19.27.1	R	7 12 „
16	22.923	20.07	77.5	45.09	78.0	·0560	.8442	19.27.8	R	8 12 „
17	23.540	20.18	78.5	45.00	78.3	.0577	.8432	19.27·2	B	9 12 „
18	23.130	20.77	80.0	44.78	79.2	.0675	.8408	19.25·0	B	10 12 „
19	22.718	21.00	81.6	44.50	80·5	.0712	.8377	19.23.4	B	11 12 „
20	22.581	21.16	83.6	44.34	82.0	·0738	.8359	19.22.3	B	Noon.
21	22.718	21.18	85.7	44.30	84·1	.0741	.8355	19.22·2	C	1 12 p. m.
22	22.854	20.66	86.0	44.33	84.3	.0656	.8358	19.23.3	C	2 12 „
23	23.130	20.20	85.0	44.24	84.0	.0581	.8348	19.24.0	C	3 12 „
FEB. 13TH-Noon.	22.991	19.90	84.0	44.12	84.0	.0531	.8335	19.24.1	C	4 12 „
1	23.473	19·58	83.0	44.37	84·0	.0479	.8363	19.25.8	R	5 12 „
2	23.540	19.42	81.6	44.50	82.8	.0453	·8377	19.26.7	R	6 12 „
3	23.884	19.34	81.3	44.48	82.6	.0440	·8376	19.26.8	R	7 12 „
4	23.404	19.28	81.0	44.36	82.0	.0430	.8362	19.26.3	R	8 12 „
5	23.404	19.47	81.0	44.36	81.2	.0462	.8362	19.25.9	B	9 12 „
6	23.060	19.64	80.7	44.47	81.0	.0489	.8374	19.26.0	B	10 12 „
7	22.991	19.74	80.4	44.57	80.7	.0506	.8385	19.26.3	B	11 12 „
8	22.991	19.85	80.2	44.57	80.5	.0523	.8385	19.26.1	B	Midnight.
9	23.060	19.88	80.0	44.51	80.2	.0528	·8378	19.25.7	C	1 12 a. m.
10	22.991	19.84	79.1	44.50	80.0	.0522	.8377	19.25·8	C	2 12 „
11	22.444	19.99	79.4	44.52	80.0	.0546	.8379	19.25.4	C	3 12 „
12	22.444	19.97	79.4	44.52	79.7	.0543	.8379	19.25.7	C	4 12 „
13	22.168	20.00	79.5	44.65	79.9	.0548	·8394	19.26.1	R	5 12 „
14	22.101	19.95	79.0	44.45	79.9	.0039	.8372	19·25.3	R	6 12 „
15	22.581	20.00	78.6	44.84	79.5	.0548	.8414	19.26·8	R	7 12 „
16	24.226	20.08	78.7	45.44	79.5	.0561	.8480	19.29.3	R	8 12 „
17	25.806	20.46	79.8	45.29	79.6	.0624	.8464	19.27.8	B	9 12 „
18	25.189	20.89	81.3	45·01	80.2	.0694	.8433	19.25.8	B	10 12 „
19	24.226	21.03	82.0	44.84	80.6	.0717	.8414	19.24.6	B	11 12 „
20	23.473	21.11	82.8	44.67	81·5	.0730	.8396	19.23.8	B	Noon.
21	23.130	21.05	83.7	44.46	82.2	.0720	.8373	19.23·0	C	1 12 p. m.
22	23.060	20.78	83.8	44.38	82.8	.0676	·8364	19.23.2	C	2 12 „
23	22.718	20.53	83·5	44.39	82.9	.0635	.8365	19·23.8	C	3 12 „
FEB. 14TH-Noon.	22.649	20.38	82.7	44.41	83.0	.0610	.8367	19.24.3	C	4 12 „
1	22.787	20.37	81.6	44.48	82.6	.0609	·8375	19.24.7	R	5 12 „
2	22.787	20.20	80.6	44.46	82.0	.0581	.8373	19·25·1	R	6 12 „
3	22.991	20.00	80.0	44.46	81.4	.0548	.8373	19.25.2	R	7 12 „
4	23.130	20.00	·79.9	44.48	81.0	·0548	.8375	19.25·3	R	8 12 „
5	23.130	19.96	79.4	44.38	80.0	.0541	.8364	19.25.0	B	9 12 „
6	22.444	19.99	79.2	44.40	79.9	.0546	·8366	19.24.9	B	10 12 „
7	22.512	20.04	79.0	44·57	79.8	.0555	.8385	19.25.6	B	11 12 „
8	22.444	19.92	78.8	44.61	79.5	.0534	.8389	19.26·1	B	Midnight.
9	22.444	20.02	78.7	44.50	79.3	.0551	.8377	19.25.4	C	1 12 a. m.
10	22.374	20.00	78.5	44.47	79.0	.0548	.8374	19.25.2	C	2 12 „
11	22.101	20.01	78.1	44.49	79.0	.0550	.8376	19.25.3	C	3 12 „

On the 13th, at about 19h. 30m., Dip as obtained by Observation was 19°3'1.

DAILY OBSERVATIONS FROM 14TH TO 16TH FEBRUARY 1860.

Date. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1860.
h.										h. m.
Feb. 14th—12	22·101	20.04	78°0	44.61	78°7	8.0555	2.8389	19°25′7	C	4 12 a. m.
13	21.963	19.99	77.6	44.56	78.5	.0546	.8384	19.25.6	R	5 12 „
14	22.101	20.18	77·6	44.59	78.5	.0577	.8387	19.25.5	R	6 12 „
15	23.130	20.18	77.5	44.85	78.4	.0577	.8416	19.26.6	R	7 12 „
16	24.295	20.37	78.0	44.88	78.5	·0609	.8419	19.26.3	R	8 12 „
17	25·120	20.73	79.0	44.71	78.7	.0668	.8400	19.24.8	B	9 12 „
18	24.846	20.95	80.3	44.48	79.3	.0703	.8375	19.23.4	B	10 12 „
19	23.816	20.92	81.2	44.18	80.1	.0698	.8342	19.22.1	B	11 12 „
20	23.404	20.64	81.9	44.32	80.5	.0653	.8357	19·23.3	B	Noon.
21	21.963	20.85	82.9	44.28	81.0	.0687	.8353	19.22.7	C	1 12 p. m.
22	22.032	20.71	83.0	44.12	81.9	.0665	.8335	19·22.3	C	2 12 „
23	22.032	20.57	82.9	44.06	82.1	.0642	.8329	19.22.4	C	3 12 „
Feb. 15th-Noon.	21.688	20.40	82.2	44.08	82.1	.0614	.8331	19.24.9	C	4 12 „
1	22.101	20.27	81.0	44.32	82.3	.0593	.8357	19.24·2	R	5 12 „
2	22.237	20.19	80.1	44.39	81.4	.0579	.8365	19.24.6	R	6 12 „
3	22.581	20.10	79.9	44.14	80.8	.0564	.8337	19.23.8	R	7 12 „
4	23.130	19.83	79·5	44.26	80.4	.0520	.8351	19.24.8	R	8 12 „
5	23.060	19.59	79.0	44.02	80·0	.0481	.8324	19.24.3	B	9 12 „
6	23.540	19.68	79.0	44.09	79.6	.0495	.8332	19.24.3	B	10 12 „
7	23.060	19.72	78.7	44.32	79.3	.0502	·8357	19.25.4	B	11 12 „
8	23.746	19.37	78.3	44·35	79.1	.0445	.8361	19.26·0	B	Midnight.
9	23.267	19.58	78.0	44.29	79.0	.0479	.8354	19·25.5	C	1 12 a. m.
10	23.335	19.73	77.9	44.30	78.8	.0504	.8355	19.25.3	C	2 12 „
11	23.060	19.84	77.5	44.24	78.4	.0522	.8348	19.24.7	C	3 12 „
12	22.512	19.81	77.3	44.14	78.0	.0517	.8337	19.24.3	C	4 12 „
13	22.581	19.79	77.3	44.25	78.3	.0514	.8350	19.25.0	R	5 12 „
14	22.444	19.90	77.0	44.30	78.0	.0531	·8355	19.24.9	R	6 12 „
15	22.168	20.06	77.0	44.33	77.7	.0558	.8358	19.24.6	R	7 12 „
16	22.649	20.60	77.1	44.49	78.0	.0646	.8376	19.24.0	R	8 12 „
17	23.677	21.01	78.2	44.45	78.3	.0714	.8372	19.23.1	B	9 12 „
18	23.609	21.16	79.5	44.29	78.9	·0738	.8352	19 22.0	B	10 12 „
19	23.746	21.38	80.7	44.24	79.7	.0774	.8348	19·21.5	B	11 12 „
20	22.991	21.43	81.0	44.17	80.3	.0763	.8341	19.21.1	B	Noon.
21	22.787	21.25	82.0	44.14	80.8	.0753	.8337	19.21.3	C	1 12 p. m.
22	22.991	21.14	82.0	43.89	81.3	.0735	.8310	19.20.4	C	2 12 „
23	22.512	20.84	82.1	43.86	81.9	.0686	.8307	19.20.9	C	3 12 „
Feb. 16th-Noon.	22.305	20.64	81.7	43.91	81.9	·0653	.8312	19.21.5	C	4 12 „
1	22.374	20.56	81.0	44.00	81.9	.0640	.8322	19.22.1	R	5 12 „
2	22.237	20·40	80.0	43.98	81.0	.0614	.8320	19·22.5	R	6 12 „
3	22·581	20.25	79.6	43.82	80.6	.0589	.8302	19·21.9	R	7 12 „
4	22.718	20.12	79.3	44.99	80.2	.0567	.8323	19.23.1	R	8 12 „
5	22.718	20.17	79.0	43.99	79.7	.0576	.8321	19.22.9	B	9 12 „
6	22.444	20.22	78.8	43.99	79.5	.0584	.8321	19.22.9	B	10 12 „
7	22.374	20.32	78.5	44.12	79·1	·0600	.8332	19.23.0	B	11 12 „
8	22·512	20.22	78.1	44.11	79.0	.0584	.8335	19.23.5	B	Midnight.
9	22.787	20.36	77.9	44.08	78.6	.0607	.8334	19.23·0	C	1 12 a. m.
10	22.444	20.45	77.6	44.04	78.4	.0622	.8331	19.22.7	C	2 12 „
11	21.963	20.55	77.4	44.06	78.1	.0638	.8326	19.22.3	C	3 12 „
12	22.305	20.37	77.0	44.77	78.0	.0609	.8329	19.22.8	C	4 12 „
13	21.208	20.52	76.8	43.73	77.7	.0649	.8297	19.21.0	R	5 12 „
14	21.139	21.02	76.5	43.87	77.5	.0715	.8292	19.19.8	R	6 12 „
15	20.865	20.57	76.4	43.03	77.4	.0642	·8308	19.21.6	R	7 12 „
16	21.758	20.63	76.9	44·21	77.5	·0651	.8325	19.22.1	R	8 12 „
17	23·060	20·69	78.0	44.11	77.6	.0661	.8345	19.22.8	B	9 12 „
18	23.404	21.00	79.1	44.01	78.6	·0712	.8334	19.21.7	B	10 12 „
19	23.130	21.09	79.8	44.05	79.6	·0727	.8323	19.21.0	B	11 12 „
20	23.473	21.06	80.5	44.06	80.0	.0722	.8328	19.21·3	B	Noon.
21	22.787	20.95	81.0	44.06	80.2	.0703	.8329	19.21.4	C	1 12 p. m.
22	22.854	20·65	81.1	43.98	80.9	.0654	.8320	19.21.9	C	2 12 „
23	22.237	20.46	81.2	43.76	81.0	.0624	.8296	19.21.3	C	3 12 „

On the 16th, at about 19h. 40m., Dip as obtained by Observation was 19°08′4.

DAILY OBSERVATIONS FROM 17TH TO 21ST FEBRUARY 1860.

Date. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter, Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observer.	Date. Bombay Civil Time. 1860.
h.										h. m.
Feb. 17th-Noon.	21·826	20.16	81°0	43.83	81°1	8.0574	2.8303	19°22′3	C	4 12 p. m.
1	21.895	19.44	80.3	43.87	81.4	·0457	.8308	19.23.9	R	5 12 ,,
2	21.895	18·77	79.0	43.81	80.4	.0347	.8301	19.25.0	R	6 12 ,,
3	22.787	18.67	79.0	44.00	80.0	.0330	.8322	19.26.1	R	7 12 ,,
4	23.404	19.13	78.8	44.09	79·7	.0405	.8332	19.25.5	R	8 12 ,,
5	24.159	18.62	78.3	44.12	79.0	.0321	.8335	19.26·8	B	9 12 ,,
6	24·570	18.99	78.3	44.12	78.9	.0382	.8335	19.26.1	B	10 12 ,,
7	24.159	19.24	78.0	44.11	78.7	.0424	·8334	19.25.4	B	11 12 ,,
8	24.502	19·33	77.6	44.21	78.5	.0438	.8345	19.25.7	B	Midnight.
9	24.502	19.31	77.4	44.14	78.1	.0435	.8337	19.25.4	C	1 12 a. m.
10	23·540	19.31	77.0	44.10	77.9	.0435	.8333	19.25.2	C	2 12 ,,
11	23.267	19.47	76.8	43.89	77.6	.0462	.8310	19.24.0	C	3 12 ,,
12	22.787	19.51	76.0	43.77	77.2	.0468	.8297	19.23.4	C	4 12 ,,
13	22.444	19.59	75.8	43.81	77.0	.0481	.8301	19.23.4	R	5 12 ,,
14	21.963	19.88	76·0	43.81	77·0	·0528	·8301	19·22.7	R	6 12 ,,
15	21.071	19.82	76.0	43.71	77.0	.0518	.8290	19.22.4	R	7 12 ,,
16	21·071	20.30	76·5	43.87	77.0	·0597	.8308	19.22.1	R	8 12 ,,
17	21.895	20.60	77.6	43.93	77.6	.0646	.8314	19.21.6	B	9 12 ,,
18	21.415	20.82	79.2	43.75	78.3	.0682	.8295	19.22.6	B	10 12 ,,
19	20.590	20.96	80.6	43.73	79.3	.0705	.8292	19.20.0	B	11 12 ,,
20	20.247	20.93	81.5	43.83	80.3	.0700	.8303	19.20.6	B	Noon.
21	21.071	20.93	82.1	43.93	80.9	.0700	.8315	19.21.1	C	1 12 p. m.
22	21.551	20.65	82.8	44.01	82.0	.0654	.8323	19.22.0	C	2 12 ,,
23	22.444	20.38	82.4	43.84	82.1	.0610	.8304	19.21.8	C	3 12 ,,
Feb. 20th-Noon.	23.473	20.15	84.0	43.52	84.0	.0572	.8269	19·20.9	R	4 12 ,,
1	22.649	20.02	83.1	43.51	83.8	.0551	.8268	19.21.1	R	5 12 ,,
2	22.649	20.09	82·0	43.64	83.0	.0563	.8282	19.21.5	R	6 12 ,,
3	22.923	19.68	81.3	43.67	82.4	.0495	.8286	19.22.5	R	7 12 ,,
4	23.130	19.80	80.7	43.76	82.0	.0515	.8296	19.22.6	R	8 12 ,,
5	22.854	19.75	80.3	43.69	81.3	.0507	.8288	19.22.5	B	9 12 ,,
6	22.923	19.92	80.2	43·83	81.1	.0534	.8303	19.22.8	B	10 12 ,,
7	23.590	19.80	79.5	43.87	80.8	.0515	.8308	19.23.1	B	11 12 ,,
8	23.590	19.98	79.3	43.94	80.4	.0544	.8315	19.23.2	B	Midnight.
9	23.816	19.88	79.1	43.95	80.0	.0528	.8317	19.23.4	C	1 12 a. m.
10	23.816	19.95	79·2	43.97	79.9	·0539	.8319	19.23.3	C	2 12 ,,
11	23.590	19.97	79.1	43·98	79.9	·0543	.8320	19.23.4	C	3 12 ,,
12	23.335	20.05	79.0	43.99	79.7	.0556	.8321	19.23.1	C	4 12 ,,
13	23.473	20.08	78.6	43.99	79.5	.0561	.8321	19.23.1	R	5 12 ,,
14	23.884	20·04	78.0	44.02	79.0	.0555	.8324	19.23.2	R	6 12 ,,
15	23.060	20.01	77.4	44.01	78.8	.0550	·8323	19.23.3	R	7 12 ,,
16	24.159	20.58	78.0	44.19	79.0	.0643	.8343	19.23.0	R	8 12 ,,
17	24.639	20.91	79.6	43.93	79.4	.0697	.8314	19.21.0	B	9 12 ,,
18	24·707	21.07	81.0	43.66	80.3	.0724	.8285	19.19.6	B	10 12 ,,
19	23·884	21.12	81.6	43.53	81.1	.0731	.8270	19·18.9	B	11 12 ,,
20	23·609	21.10	83.2	43.40	81.8	.0728	.8256	19.18.4	B	Noon.
21	22.787	20.89	83·6	43.62	82.4	.0694	.8280	19.19.8	C	1 12 p. m.
22	22.444	20.67	84.0	43.59	83.0	.0658	.8277	19.20.1	C	2 12 ,,
23	22.718	20.49	84.2	43.46	83.8	.0629	.8263	19.19.9	C	3 12 ,,
Feb. 21st-Noon.	22.922	19.78	83.9	43.66	84·0	.0512	.8285	19.22.4	C	4 12 ,,
1	22·305	19.45	83.0	43.52	84.0	.0458	.8269	19.22.3	R	5 12 ,,
2	22.305	18.72	81.8	43.69	83.0	.0338	.8288	19.24.7	R	6 12 ,,
3	22.444	19.34	81.5	43.72	82.6	·0440	.8291	19.23.5	R	7 12 ,,
4	22.991	18.83	81.0	43.76	82.0	.0356	.8296	19.24·7	R	8 12 ,,
5	23.816	18.42	80.6	44.03	81.5	.0289	.8325	19.26.8	B	9 12 ,,
6	24.590	18.48	80.4	44.07	81·5	.0299	.8330	19.26.9	B	10 12 ,,
7	25.051	18.09	80.0	44.05	81.1	.0235	.8328	19.27.6	B	11 12 ,,
8	25.051	19.09	80.1	43.98	81.1	.0399	.8320	19.25.2	B	Midnight.
9	25.669	18.75	80.0	44.03	81·0	.0343	.8325	19.26.2	C	1 12 a. m.
10	27.384	18.67	80.0	44.14	80.9	.0330	.8337	19.26.8	C	2 12 ,,
11	26.561	18.69	79.8	44·01	80.3	.0333	.8323	19.26.2	C	3 12 ,,

On the 17th, at about 20h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 21ST TO 23RD FEBRUARY 1860.

Date. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1860.
h.										h. m.
FEB. 21ST—12	25·532	18.94	79°2	43.90	80°0	8.0374	2.8311	19°25'2	C	4 12 a. m.
13	25.532	18.90	79.0	44.12	80.0	.0367	.8335	19.26.2	R	5 12 ,,
14	24.846	18.99	79.0	44.10	80.0	.0382	·8333	19.26.0	R	6 12 ,,
15	24.432	19.34	79·1	43.92	79·7	.0440	.8313	19.24.4	R	7 12 ,,
16	25·532	19.79	79·5	43.90	80.0	.0514	.8311	19.23.4	R	8 12 ,,
17	26.149	19.57	80.3	43.83	80.3	.0478	.8303	19.23.4	B	9 12 ,,
18	24.226	20.35	81.5	43.58	81.1	.0605	.8276	19.20.7	B	10 12 ,,
19	24.090	20.03	82.6	43.80	81.7	.0553	.8300	19.22.4	B	11 12 ,,
20	24.021	19.96	82.8	43.82	82·2	·0538	·8302	19.22.6	B	Noon.
21	23.473	19.72	83·0	43.77	82.4	.0502	.8297	19.23.0	C	1 12 p. m.
22	24.159	19.23	82.9	43.78	82.5	.0422	.8298	19.24.0	C	2 12 ,,
23	23.884	19.20	82.6	43.60	82.7	.0417	.8278	19.23.2	C	3 12 ,,
FEB. 22ND-Noon.	22·923	19.41	82.0	43·59	82.8	.0452	.8277	19.22.8	C	4 12 ,,
1	23.130	18.97	81.3	43.73	82·5	.0379	.8292	19.24.3	R	5 12 ,,
2	24.502	18·72	80.5	43.96	81.9	.0338	.8318	19.25.9	R	6 12 ,,
3	24.226	18.75	80.4	44.05	81.5	.0343	·8328	19.26.3	R	7 12 ,,
4	24.639	18.69	80.2	43.82	81.4	.0333	.8302	19.25.3	R	8 12 ,,
5	24.846	18.60	80.0	43.87	80.8	.0318	.8308	19.25.7	B	9 12 ,,
6	24.502	18.91	79.9	43·84	80.5	.0369	.8304	19.24.9	B	10 12 ,,
7	24.707	18.54	79.6	43.86	80·4	.0309	.8307	19.25.9	B	11 12 ,,
8	24.021	18.98	79.2	43.80	80.1	.0380	.8300	19.24.7	B	Midnight.
9	24.295	18.97	79.0	43.92	79·9	.0379	.8313	19.25.2	C	1 12 a. m.
10	24.021	19·03	78.8	43.97	79.7	.0389	.8319	19.25.2	C	2 12 ,,
11	24.090	19·25	78·5	43.93	79·5	.0425	.8314	19·24.5	C	3 12 ,,
12	23.404	19.20	78.2	43.77	79.1	.0417	.8297	19.24.0	C	4 12 ,,
13	23.130	19.21	78.0	43.97	79.0	.0419	.8319	19.24.8	R	5 12 ,,
14	22.444	19.39	77.8	44.07	79·0	·0448	.8329	19.24.8	R	6 12 ,,
15	23·130	19.49	77.7	44.21	78.6	.0465	.8345	19.25.3	R	7 12 ,,
16	24.090	19.79	78.0	44.35	79.0	.0514	.8361	19.25.3	R	8 12 ,,
17	25.326	20.03	78.6	44.12	79.0	.0553	.8335	19.23.8	B	9 12 ,,
18	24.159	20.31	79.5	43.94	79.5	.0599	.8315	19.22.4	B	10 12 ,,
19	23.884	20.50	80.2	44.02	79.9	.0630	.8324	19.22.3	B	11 12 ,,
20	23.335	20.31	80.9	44.03	80.4	.0599	.8325	19.22.8	B	Noon.
21	23.060	20.21	81.2	44·03	81.0	.0583	·8325	19.23.1	C	1 12 p. m.
22	23·335	20.14	81.5	44.00	81.2	.0571	.8322	19.23.0	C	2 12 ,,
23	22.718	20.10	81.5	43.78	81.6	.0564	.8298	19.22.2	C	3 12 ,,
FEB. 23RD-Noon.	23.540	19.99	81.0	43.95	81.5	.0546	.8317	19.23.1	C	4 12 ,,
1	22.854	19.90	80·1	43.84	81.1	·0531	.8304	19.22.8	R	5 12 ,,
2	23.130	19.64	79.0	43·97	80.5	.0489	.8319	19.23.9	R	6 12 ,,
3	23.130	19.50	78.5	44.00	80.0	·0466	.8322	19.24.3	R	7 12 ,,
4	23.473	19.54	78.0	44.08	79.4	.0473	.8331	19·24.7	R	8 12 ,,
5	23.060	19.56	78.0	43.87	79.0	.0476	.8308	19.23.7	B	9 12 ,,
6	23.060	19.56	77.9	43.91	78.6	.0476	.8312	19.23.8	B	10 12 ,,
7	23 404	19.65	77.6	43·94	78.5	.0490	.8315	19.23.8	B	11 12 ,,
8	23.404	19.59	77·6	44.17	78.4	.0481	.8341	19·25.0	B	Midnight.
9	23·816	19.62	77.6	44.20	78.2	.0485	.8344	19.24.9	C	1 12 a. m.
10	23·953	19.61	77.4	44.12	78.0	.0484	.8335	19.24.8	C	2 12 ,,
11	23.473	19·63	77.3	44.04	77.9	.0487	.8326	19.24.2	C	3 12 ,,
12	23.130	19.85	77.2	44.10	77.9	.0532	.8333	19.24.1	C	4 12 ,,
13	22.854	19.87	77.1	44.09	78·0	.0527	.8332	19.23.9	R	5 12 ,,
14	22.923	19·87	77.2	44.20	78.0	.0527	.8344	19.24.4	R	6 12 ,,
15	23.130	19.91	77.3	44.42	78·0	.0533	.8368	19.25.3	R	7 12 ,,
16	24.846	20.24	77.7	44.59	78.0	·0588	.8387	19.25.3	R	8 12 ,,
17	26.012	20.40	78.5	44.30	78.2	.0614	.8355	19.20.9	B	9 12 ,,
18	26.218	20.71	79.0	44.21	78.8	.0665	.8345	19.22.7	B	10 12 ,,
19	26.561	20.81	79.8	44·14	79.5	.0681	.8337	19.22.3	B	11 12 ,,
20	26.218	20.75	80.4	44.16	80.3	.0671	.8340	19.22.5	B	Noon.
21	25·600	20.69	80.8	44.03	81.0	.0661	.8325	19.22.0	C	1 12 p. m.
22	24.639	20.48	81.0	43.93	81.4	.0627	.8314	19.21.9	C	2 12 ,,
23	23.953	20.30	81·2	43.73	81.9	·0597	.8296	19.21·6	C	3 12 ,,

On the 23rd, at about 19h. 15m., Dip as obtained by Observation was 19°03'8.

DAILY OBSERVATIONS FROM 24TH TO 27TH FEBRUARY 1860.

DATE. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1860.
h.										h. m.
FEB. 24TH-Noon.	22·923	20.14	80°3	43.74	82°0	8.0571	2.8293	19°21·9	C	4 12 p. m.
1	22.444	20.04	80.0	43.74	82.0	.0555	.8293	19.22.0	R	5 12 ,,
2	22.444	19.98	79.6	43.89	81.0	.0544	.8310	19.23.0	R	6 12 ,,
3	22.991	19.84	79.0	44.42	80.5	.0522	.8368	19.25.4	R	7 12 ,,
4	23.130	19·76	78.6	44.50	80.0	·0509	.8377	19.26.0	R	8 12 ,,
5	23.198	19.80	78.2	44.53	79.2	.0515	.8369	19.25.4	B	9 12 ,,
6	22.991	19.82	78.0	44.47	79.1	.0518	.8374	19·25.6	B	10 12 ,,
7	23.198	19.80	77.9	44.66	78.7	.0515	.8395	19.26.5	B	11 12 ,,
8	23.540	19.78	77.6	44.74	78.5	.0512	.8403	19.27.0	B	Midnight.
9	23.540	19·77	77.4	44.75	78.4	.0511	.8405	19.27·1	C	1 12 a. m.
10	23.473	19.80	77.1	44.69	78.1	.0515	.8398	19.26.6	C	2 12 ,,
11	23.267	19.76	77.0	44.70	78.0	.0509	.8399	19.26.8	R	3 12 ,,
12	23.130	19.91	77.0	44.73	78·0	.0539	.8402	19.26.5	R	4 12 ,,
13	23.060	19·98	76.9	44.75	77.6	.0544	·8405	19.26.7	B	5 12 ,,
14	23.060	19.97	76.5	44.72	77·3	.0543	.8401	19.26.5	B	6 12 ,,
15	23.198	20.02	75.9	44.73	76.9	.0551	.8402	19.26.3	C	7 12 ,,
16	24.090	20.57	76.8	44.74	77.0	.0642	.8403	19.25.3	C	8 12 ,,
17	24.295	20.97	77.6	44.53	77.6	.0707	.8380	19.23.5	R	9 12 ,,
18	23.609	21.43	78.8	44.35	78.4	.0783	.8361	19.21·8	R	10 12 ,,
19	23.130	21.59	79.9	44.39	79.0	.0809	.8365	19.21.6	B	11 12 ,,
20	22.237	21.57	80.2	44·54	79.2	.0806	.8381	19.22.2	B	Noon.
21	22.649	21.29	80.5	44.72	80.0	·0760	.8401	19.23.6	C	1 12 p. m.
22	22.512	21.02	80·7	44.64	80.1	.0715	.8392	19.23.7	C	2 12 ,,
23	22.512	20.63	80.7	44.51	80.6	.0651	.8378	19.24.1	R	3 12 ,,
FEB. 25TH-Noon.	22.649	20.30	80.5	44.52	81.0	.0597	.8379	19.24.8	R	4 12 ,,
1	22.718	20.28	80.0	44·52	80·5	.0594	.8379	19.24.9	B	5 12 ,,
2	22.374	20.09	78.9	44.47	79.8	.0563	.8374	19.25.1	B	6 12 ,,
3	22.854	19.94	78.5	44.71	79.0	.0538	.8400	19.26.5	C	7 12 ,,
4	23.060	19.83	78.0	44·78	78.8	.0520	.8408	19.27.0	C	8 12 ,,
5	22.512	19.94	78.0	44.76	78.7	.0538	.8406	19.26.7	R	9 12 ,,
6	22.649	19.80	77.5	44.47	78.4	.0515	.8374	19.25.6	R	10 12 ,,
7	22.787	19.79	76.9	44.63	77·6	.0514	.8391	19.26·5	B	11 12 ,,
8	23.130	19.79	76.6	44.71	77.5	.0514	.8400	19.26.9	B	Midnight.
9	22.581	20.09	76.5	44.62	77.2	.0563	.8390	19.25·8	C	1 12 a. m.
10	22.237	19.98	76.0	44·91	77.0	.0544	.8422	19·27.3	C	2 12 ,,
11	22.305	19.90	76.1	44.96	76.9	.0531	.8428	19.27.7	C	3 12 ,,
12	22.787	20.11	76.5	44.95	71.0	.0566	.8427	19.27.2	C	4 12 ,,
13	22.854	20.11	76.7	44.96	77.3	.0566	·8428	19.27.2	R	5 12 ,,
14	22.649	20.00	76.0	44·91	77.0	.0548	.8422	19.27.1	R	6 12 ,,
15	23.404	20.24	75.8	45.02	76.5	.0588	.8434	19.27.1	R	7 12 ,,
16	24.295	20·70	76.5	45.06	77.0	.0665	.8439	19.26·3	R	8 12 ,,
17	24.776	21.17	77.6	44.77	77.4	.0730	.8407	19.24.3	B	9 12 ,,
18	24.846	21.24	79.0	44.58	78.2	.0752	.8386	19.23.1	B	10 12 ,,
19	24.570	21.51	80.7	44.33	79.5	·0796	.8358	19.21.5	B	11 12 ,,
20	22.101	21.73	82.0	44.41	80.4	.0832	.8367	19.19.1	B	Noon.
21	22.444	21.46	82.3	44.58	81.1	.0788	.8386	19.22.6	C	1 12 p. m.
22	22.854	21.18	82.3	44.54	81.3	.0741	.8381	19.23.1	C	2 12 ,,
23	22·787	20.85	82.0	44·10	81.6	.0687	.8366	19·23.1	C	3 12 ,,
FEB. 27TH-Noon.	22.787	20.63	81.7	44.46	82.0	.0668	.8373	19.23.7	R	4 12 ,,
1	22.305	20.52	80.8	44.42	81·5	.0649	.8368	19.23.7	R	5 12 ,,
2	22.101	20·41	79.9	44.44	80.8	.0632	·8370	19·24.1	R	6 12 ,,
3	22.991	20.10	79.3	44.69	80.2	.0564	.8398	19.26.1	R	7 12 ,,
4	23.130	19.82	79.0	44.67	79·8	.0518	.8396	19.26.5	R	8 12 ,,
5	23.540	19.85	78.5	44.68	79.2	.0523	·8397	19.26.6	B	9 12 ,,
6	22·923	19.79	78.2	44.60	78.6	.0514	.8388	19.26.4	B	10 12 ,,
7	22.923	20.00	77.8	44.71	78.5	.0548	.8400	19.26.3	B	11 12 ,,
8	22.923	19·98	77.4	44·73	78.3	.0544	.8402	19.26.5	B	Midnight.
9	22.787	20.08	77.1	44.64	77.9	.0561	.8392	19.25.8	C	1 12 a. m.
10	22.923	20.07	77.0	44.70	77.7	.0560	·8399	19.26.1	C	2 12 ,,
11	22·923	20.09	76.9	44.71	77.4	.0563	.8400	19.26.2	C	3 12 ,,

On the 24th, at about 19h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 27TH TO 29TH FEBRUARY 1860.

DATE. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1860.
h.										h. m.
FEB. 27TH—12	22·444	20.07	76·7	44.74	77·3	8.0560	2·8403	19°26'3	C	4 12 a. m.
13	22.032	19.96	76.0	44.79	77.0	.0541	.8409	19.26.8	R	5 12 „
14	22.374	20.01	75.5	44.97	76.6	.0550	.8429	19.27.4	R	6 12 „
15	22.444	20.17	75.0	44.58	76.1	.0576	.8386	19.25.4	R	7 12 „
16	22.444	20.36	75·3	44.78	76.1	.0607	.8399	19.25.5	R	8 12 „
17	23.677	20.97	76.2	44.65	76.5	.0707	.8394	19.24.0	B	9 12 „
18	23.677	21.38	77.5	44.47	77.3	.0774	·8374	19.22.4	B	10 12 „
19	23.540	21.70	78.7	44.26	78.0	.0807	.8351	19.20.8	B	11 12 „
20	23.816	21.81	80.0	44.42	79.1	.0845	.8368	19.21.1	B	Noon.
21	23.404	21.61	80.5	44.38	80.0	.0812	.8364	19.21.5	C	1 12 p. m.
22	23.267	21.27	81·0	44.32	80.6	.0757	.8357	19.22.0	C	2 12 „
23	24.364	20.60	81.1	44.30	81.1	.0646	.8355	19.23.3	C	3 12 „
FEB. 28TH—Noon.	23·816	20·29	80.9	44.03	81.0	.0536	.8325	19.22.8	C	4 12 „
1	22.991	19.98	80.3	44.08	81.4	·0544	.8331	19.23.8	R	5 12 „
2	22.444	20.13	79.1	44.16	80.4	.0569	.8341	19.23.8	R	6 12 „
3	22.581	19.92	78.7	44.38	79.8	·0534	.8364	19.25.1	R	7 12 „
4	22.649	19.98	78.5	44·38	79.4	.0544	.8364	19.25.0	R	8 12 „
5	22.787	19.96	78.2	44.31	78.8	.0541	·8356	19.24.8	B	9 12 „
6	22.649	19.96	78.2	44.31	78.7	.0541	.8356	19.24.8	B	10 12 „
7	22.923	19.85	77·8	44.46	78.5	·0523	.8373	19.25.6	B	11 12 „
8	22.991	19.93	77.5	44.43	78.2	.0536	.8369	19.25.2	B	Midnight.
9	23.198	19.86	77.1	44.44	78.0	.0525	.8370	19.25.4	C	1 12 a. m.
10	22.991	19.82	77.0	44.44	77.9	.0518	.8370	19.25.5	C	2 12 „
11	23.130	19·89	76.9	44.43	77.7	·0530	.8369	19.25.3	C	3 12 „
12	22.991	19.98	76.6	44.45	77.5	.0544	.8372	19·25.3	C	4 12 „
13	22.854	19.88	76.0	44.51	77.0	.0528	.8378	19.25.7	R	5 12 „
14	23.335	19.99	75·8	44.45	76.7	.0546	.8372	19.25.1	R	6 12 „
15	23.198	20.04	75.5	44.38	76.5	.0555	.8364	19.24.7	R	7 12 „
16	23.746	20.42	76.2	44·30	76.7	.0617	.8355	19.23·7	R	8 12 „
17	23.816	20.86	76.9	44.17	77.2	.0689	.8341	19.22.2	B	9 12 „
18	23.130	21.24	78.2	43.90	78.3	.0750	.8311	19.20.2	B	10 12 „
19	23.335	21.42	79.5	44.02	79.0	.0781	.8324	19.20.4	B	11 12 „
20	23.130	21.58	80.5	43.97	79.8	.0807	.8319	19.19.8	B	Noon.
21	22.718	21.09	81.1	44.02	80.5	.0727	.8324	19.21.0	C	1 12 p. m.
22	22.787	20.77	81.5	44.01	81.0	.0675	.8323	19.21.7	C	2 12 „
23	23.816	20.51	81.9	44.11	81.9	.0632	.8334	19.22.7	C	3 12 „
FEB. 29TH—Noon.	23.130	20.53	82.0	44.06	82.6	.0635	.8329	19.22.4	C	4 12 „
1	22.444	20.49	81 5	43.98	82.6	.0629	.8320	19.22.2	R	5 12 „
2	22.237	20.35	80·7	44.06	82.0	.0605	.8329	19.22.8	R	6 12 „
3	22.649	20.12	80.1	44.19	81.4	.0567	.8343	19.23.9	R	7 12 „
4	22.787	19·98	79·9	44.23	80.9	.0544	.8347	19.24.5	R	8 12 „
5	22.854	19·92	79.5	44.17	80.5	.0534	.8341	19.24.3	B	9 12 „
6	23.130	19.82	79.3	44.22	80.0	.0518	.8346	19.24.6	B	10 12 „
7	22.991	19.91	79.2	44.28	80.0	.0533	.8353	19.24.8	B	11 12 „
8	23.130	19.89	78.9	44.31	79.5	.0530	.8356	19.24.9	B	Midnight.
9	23.130	20.02	78.5	44.31	79.0	.0551	.8356	19.24.6	C	1 12 a. m.
10	22.991	20.07	78.1	44.33	78.7	.0560	·8358	19.24.6	C	2 12 „
11	22.787	19.85	77.8	44.43	78.4	.0523	.8369	19.25.4	C	3 12 „
12	22.923	19.92	77.2	44·34	78.0	.0534	.8359	19.25.0	C	4 12 „
13	22.854	19.91	76.7	44.22	77.9	.0533	.8346	19.24.5	R	5 12 „
14	22.787	19·85	76.1	44·48	77.5	.0523	.8375	19.25.7	R	6 12 „
15	23.473	20.13	76.0	44.41	77.1	.0569	.8367	19.24.8	R	7 12 „
16	23.677	20.42	76.8	44.68	77.5	.0617	.8397	19.25.3	R	8 12 „
17	24.776	20.84	77.8	44.56	78.0	.0686	.8384	19.23.8	B	9 12 „
18	24.639	21.35	79·2	44.22	79.0	.0769	.8346	19.21.4	B	10 12 „
19	23.473	21.68	81.2	44.01	80.3	.0823	·8323	19.19.8	B	11 12 „
20	22.991	21.70	82.5	43.99	81.2	.0827	.8321	19.19.6	B	Noon.
21	22.374	21.39	83.0	44.71	82.0	.0776	.8400	19.23.4	C	1 12 p. m.
22	22.718	21.21	83.1	44.86	82·6	.0747	·8417	19.24.4	C	2 12 „
23	22.168	21.07	83.6	44.88	83.3	.0724	.8419	19.24.8	C	3 12 „

On the 27th, at about 19h. 30m., Dip as obtained by Observation was 19°05'5.

DAILY OBSERVATIONS FROM 1ST TO 4TH MARCH 1860.

DATE. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1860.
h.										h. m.
MAR. 1ST-Noon.	22·649	20.72	83·7	44.96	83·7	8.0666	2.8428	19°25·9	C	4 12 p. m.
1	22.787	20.72	83.3	45.01	83.7	.0666	.8433	19.26.1	R	5 12 ,,
2	22.649	20.45	82.4	44.90	83.4	.0622	·8421	19.26.2	R	6 12 ,,
3	22·718	20.27	81.9	44.88	82.8	.0593	·8419	19.26.5	R	7 12 ,,
4	22.991	20.17	81.5	44.92	82.5	.0576	.8423	19.26.9	R	8 12 ,,
5	22.649	20.14	81.3	44.96	81.9	.0571	.8428	19.27.2	B	9 12 ,,
6	22.991	20·04	80.3	44.96	81.4	.0555	.8428	19.27.3	B	10 12 ,,
7	22.787	20·05	79.9	44.98	81.3	.0556	.8430	19.27.4	B	11 12 ,,
8	22.787	20.16	80.1	45.02	80·7	.0574	.8434	19.27.4	B	Midnight.
9	22.923	20.17	79.6	45.05	80.3	.0576	.8438	19.27.5	C	1 12 a. m.
10	22.787	20.10	79.3	45.12	80.0	.0564	.8445	19·28.0	C	2 12 ,,
11	22.787	20.03	78.9	45.07	79·7	.0553	.8440	19.27.9	C	3 12 ,,
12	22.512	19.98	78.5	44.99	79.5	.0544	.8431	19·27.7	C	4 12 ,,
13	22.374	19.88	77.9	44.97	79·1	.0528	.8429	19.27.7	R	5 12 ,,
14	22.237	20.06	77.0	44.97	79.0	.0558	.8429	19·27.3	R	6 12 ,,
15	22.374	20.07	76.8	45.11	78.5	.0560	.8444	19.27.9	R	7 12 ,,
16	23.677	20.36	77.5	45.39	78.6	.0607	.8475	19.28.5	R	8 12 ,,
17	24.432	20.90	79.2	45.28	79.2	.0695	.8463	19.26.8	B	9 12 ,,
18	24.226	21.41	80.8	44.96	80.2	.0780	.8428	19.24.5	B	10 12 ,,
19	23.404	21.77	82.3	44.79	81.3	.0839	.8409	19.22.9	B	11 12 ,,
20	22.854	21.81	82.7	44.80	81.6	.0845	.8410	19.22.8	B	Noon.
21	22.305	21.58	83.0	44.79	82.3	.0807	.8409	19.23.3	C	1 12 p. m.
22	22.444	21.24	83.5	44.64	82.9	.0752	.8392	19.23.3	C	2 12 ,,
23	22.237	20.97	83.6	44.60	83·2	.0707	.8388	19.23.8	C	3 12 ,,
MAR. 2ND-Noon.	21.963	20.74	83.3	44.41	83.4	.0670	.8367	19.23.5	C	4 12 ,,
1	22.101	20.58	82.6	44.63	83.5	.0643	·8391	19.24.8	R	5 12 ,,
2	22.305	20·29	81.7	44.74	83.0	.0596	.8403	19.25.8	R	6 12 ,,
3	23.335	19.88	81.0	44.87	82.2	.0523	.8418	19.26.0	R	7 12 ,,
4	23.609	19.60	80.3	44.95	81.6	.0482	.8427	19·27.1	R	8 12 ,,
5	23.609	19.46	80.3	44.89	81.3	.0460	.8420	19.28.3	B	9 12 ,,
6	23.540	19.63	80.1	44.93	80.9	.0487	.8424	19.28.0	B	10 12 ,,
7	23.335	19.76	79.6	45.01	80.4	.0509	·8433	19.28.2	B	11 12 ,,
8	23.609	19.82	79.1	44.82	79.9	.0518	.8412	19·27.1	B	Midnight.
9	23.335	19.86	78.7	44.79	79.7	.0525	.8409	19.26.9	C	1 12 a. m.
10	22.854	19.85	78·2	44.75	79.4	.0523	.8405	19.26.9	C	2 12 ,,
11	23.609	19.95	77.8	44.77	78·9	.0539	.8407	19.26.8	C	3 12 ,,
12	23.060	20.03	77.5	44.86	78.6	.0553	.8417	19.27.0	C	4 12 ,,
13	21.963	20.01	77.0	44.85	78.4	.0550	.8416	19.26.9	R	5 12 ,,
14	22.374	20.15	77.0	44.78	78.0	.0572	.8408	19.26.4	R	6 12 ,,
15	22.923	20.14	76.6	44.84	77.9	.0571	.8414	19.26.6	R	7 12 ,,
16	23.473	20.53	77.0	44.84	78.0	.0635	·8414	19.25.7	R	8 12 ,,
17	23.746	21·09	78.0	44.80	78.3	.0707	.8410	19.24.4	B	9 12 ,,
18	24.432	21.51	79·6	44.66	79.3	.0812	.8395	19·22.8	B	10 12 ,,
19	23.335	21.46	80.6	44.55	80.0	.0788	.8383	19.22.5	B	11 12 ,,
20	22.237	21.47	81.8	44.66	80.7	.0790	.8395	19.23.0	B	Noon.
21	22.101	21.54	83.4	44.41	81.9	.0801	.8367	19·21.8	C	1 12 p. m.
22	22.168	21.03	83·6	44.48	82.7	.0717	·8375	19.23.1	C	2 12 ,,
23	21.895	20.91	83.8	44.34	83.2	.0697	.8359	19.22.8	C	3 12 ,,
MAR. 4TH-Noon.	23.473	20.93	83.4	44.57	83.8	.0700	.8385	19.23·8	C	4 12 ,,
1	23.130	20.81	82.6	44.50	83.4	.0681	.8377	19.23.8	C	5 12 ,,
2	22.305	20.57	81.6	44.62	82·8	.0642	.8390	19.24.8	C	6 12 ,,
3	22.237	20.35	80.8	44.71	82.1	.0605	.8400	19.25.6	C	7 12 ,,
4	22.787	20.20	80.0	44.82	81.2	.0581	·8401	19.26.0	C	8 12 ,,
5	22.787	20.10	79·4	44·78	81.0	.0564	.8397	19.26.1	R	9 12 ,,
6	23·746	19.97	79.0	44.94	80.5	.0543	.8425	19.27.5	R	10 12 ,,
7	23.816	19.85	78.6	44.90	80.0	.0523	.8421	19.27·5	R	11 12 ,,
8	23.473	19.78	78.0	44.89	79·5	.0512	.8420	19.27.7	R	Midnight.
9	23.816	19.97	77.5	44.94	78.7	.0543	.8425	19 27.5	B	1 12 a. m.
10	23.130	19.73	77.1	44.95	78.7	.0504	.8427	19.28.1	B	2 12 ,,
11	23.581	19.71	76.5	44.90	78.4	.0501	.8421	19.27.8	B	3 12 ,,

On the 1st, at about 19h. 30m., Dip as obtained by Observation was 19°02'8.
On the 2nd, at about 19h. 30m., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 4TH TO 7TH MARCH 1860.

Date. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1860.
h.										h. m.
Mar. 4th—12	22·101	19.89	76°2	44.95	77°5	8.0530	2.8427	19°27·7	B	4 12 a. m.
13	22 237	19.70	76.0	44.99	77.2	.0499	.8431	19.28.2	C	5 12 „
14	22.168	19.72	75.5	45.14	77.0	.0502	.8447	19.28.9	C	6 12 „
15	23.540	19.78	75.3	45.39	76.4	·0512	.8475	19.29.8	C	7 12 „
16	25.012	20.16	75.9	45.38	76.5	.0574	.8474	19.29.1	C	8 12 „
17	26.629	20.57	76.8	45.21	77.0	.0642	.8455	19.27.4	R	9 12 „
18	26·218	20.98	78.5	44.88	78.0	.0708	.8419	19·25.0	R	10 12 „
19	25.326	21.25	80.0	44.67	79.0	.0753	.8396	19.23.5	R	11 12 „
20	24.502	21.07	81.0	44.64	80.0	.0724	.8392	19·23.7	R	Noon.
21	24 226	20.83	81.4	44.77	80·5	.0684	.8407	19.25.0	B	1 12 p. m.
22	24.159	20.30	81.8	44.89	81.3	.0597	.8420	19.26.5	B	2 12 „
23	24.295	20.05	82.1	44.92	82.3	.0556	.8423	19.27.1	B	3 12 „
Mar. 5th-Noon.	24.159	20.00	82.1	44.79	83.0	.0548	.8409	19.26.6	B	4 12 „
1	23.816	19.95	81.4	44.83	82.9	.0539	.8413	19.27.0	C	5 12 „
2	22.374	20.15	80.3	44.76	81.9	.0572	.8406	19.26.3	C	6 12 „
3	22.444	20.01	79.8	44.83	81.0	.0550	.8413	19.26.8	C	7 12 „
4	22.718	19.94	79.4	44.97	80.5	.0538	·8429	19.27.6	C	8 12 „
5	22.512	19.91	79.1	44.91	80.4	.0533	.8422	19.27.4	R	9 12 „
6	22.787	19.97	79.0	44.80	80.0	.0543	.8410	19.26.9	R	10 12 „
7	22.787	19.95	78.6	44.94	79.6	.0539	.8425	19.27.5	R	11 12 „
8	22.649	19.93	78.4	44.98	79.4	.0536	.8430	19.27.7	R	Midnight.
9	22.581	19·84	78.0	44.97	79·1	.0522	.8429	19.27.8	B	1 12 a. m.
10	22.923	19.78	77.5	45.04	78.7	.0512	.8436	19·28.3	B	·2 12 „
11	22.305	19.92	77.3	45.00	78.3	.0534	.8432	19.27.8	B	3 12 „
12	22.444	19.99	77.0	44.99	78.0	·0543	.8431	19.27.5	B	4 12 „
13	22.237	20.10	76.8	45.01	77·6	.0564	.8433	19.27.5	C	5 12 „
14	22.168	19.99	76.4	45.02	77.4	.0546	.8434	19.27.6	C	6 12 „
15	22.512	20.18	76.3	45.26	77.2	.0577	.8461	19.28.3	C	7 12 „
16	24.502	20.45	77.0	45.59	77.3	.0622	.8497	19.29.2	C	8 12 „
17	25.943	20.98	77.9	45.49	78.0	.0708	.8486	19·27.6	R	9 12 „
18	26.149	21·54	79.4	45.22	77.0	.0801	.8456	19.25·3	R	10 12 „
19	25.532	21.25	80.0	44.73	80.0	.0753	.8402	19.23.7	R	11 12 „
20	23·677	21.29	80.8	44.96	80·3	.0760	.8428	19.24.7	R	Noon.
21	23.130	21·28	81.6	45.08	80.9	.0758	.8441	19.25.2	C	1 12 p. m.
22	22.718	21.15	82.5	45.01	82.0	.0736	·8433	19.25.2	C	2 12 „
23	22.991	20.91	83.0	44.99	82·9	.0697	.8431	19·25.6	C	3 12 „
Mar. 7th-Noon.	23.540	20.70	82.4	45.00	83.4	·0663	·8432	19.26.1	C	4 12 „
1	23.267	20.49	81.5	44.87	83.0	.0629	.8418	19.26.0	C	5 12 „
2	22.444	20.25	80.6	44.96	82·2	.0589	.8428	19.26.9	C	6 12 „
3	22.512	20.08	80·0	45.05	81·5	.0561	.8438	19.27.7	C	7 12 „
4	22.787	19.99	79.5	45.25	80.9	.0546	.8460	19.28.6	C	8 12 „
5	22.854	19.86	79.2	45.25	80.5	.0525	.8460	19.28.9	R	9 12 „
6	22·787	19.86	79.2	45.01	80.3	.0525	.8433	19.27.9	R	10 12 „
7	23.060	19.86	79.0	45.00	80.0	.0525	.8432	19.27.8	R	11 12 „
8	23·473	19.94	78.7	45.20	80.0	.0538	.8454	19.28.6	R	Midnight.
9	23.335	20.06	78.4	45.14	79.6	.0558	.8447	19.28.1	B	1 12 a. m.
10	23.060	20.24	78.3	45.20	79.4	.0588	.8454	19.27.9	B	2 12 „
11	23.130	20.23	78.1	45.22	79.1	.0586	.8456	19.28.0	B	3 12 „
12	22 444	20.35	77.9	45.19	78.9	.0605	.8453	19.27.7	B	4 12 „
13	22.512	20.38	77.9	45.27	78.9	.0610	.8462	19.27.9	C	5 12 „
14	22.581	20.58	77.8	45.30	78·8	.0643	.8465	19.27.7	C	6 12 „
15	22·787	20.98	77.8	45.46	78.6	.0708	.8484	19·27.5	C	7 12 „
16	25.189	21.24	78.0	45.72	78.9	·0752	.8511	19.28.0	C	8 12 „
17	26.080	21.29	79.0	45.38	79·4	.0862	·8474	19.25.1	R	9 12 „
18	26.423	22.29	79.8	44·97	79.5	.0924	.8429	19.22.6	R	10 12 „
19	25.394	22.15	80·4	44.70	80.1	.0900	.8399	19.21.7	R	11 12 „
20	23.130	21.93	81.0	44.62	80·7	.0864	.8390	19.21.9	R	Noon.
21	22·101	21.14	81.5	44.69	81.3	.0735	.8398	19.23.8	B	1 12 p. m.
22	22.168	21.02	82.2	44.84	82.0	.0715	·8414	19.24.6	B	2 12 „
23	23.060	20.61	82.7	45·03	82.7	.0648	·8435	19.26.4	B	3 12 „

On the 5th, at about 20h., Dip as obtained by Observation was 19°05'2.

DAILY OBSERVATIONS FROM 8TH TO 11TH MARCH 1860.

Date. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1860.
h.										h. m.
Mar. 8th-Noon.	24°159	20.02	82°6	45.07	83°1	8.0551	2.8440	19°27'9	B	4 12 p. m.
1	24.914	19·38	82.1	44.99	83.0	.0446	.8431	19.28.8	C	5 12 „
2	24.570	19.19	81.2	44.93	82.4	.0415	·8424	19.28.9	C	6 12 „
3	26.080	18.49	80.8	45.31	81.9	.0300	.8466	19.32.1	C	7 12 „
4	24·570	18.87	80.2	45.04	81.4	.0363	.8436	19.30.2	C	8 12 „
5	23.473	19.21	80.0	45.04	81·4	.0419	.8436	19.29.4	R	9 12 „
6	23.609	19.05	80.0	45.43	81.0	.0392	.8479	19·31.4	R	10 12 „
7	24.295	19.56	79.7	45.32	80.7	.0476	.8467	19.29.9	R	11 12 „
8	23·609	19.38	79.7	45·67	80.7	.0446	.8506	19.31.7	R	Midnight.
9	23.609	19.44	79.2	45.49	80.3	.0457	·8486	19.30.8	B	1 12 a. m.
10	22.787	19.60	79.0	45.38	80.1	.0482	.8474	19.30.1	B	2 12 „
11	22.991	19.61	78.5	45.59	79.6	.0484	.8497	19.31.1	B	3 12 „
12	22.237	19.51	78.1	45.48	79.3	.0468	.8485	19.30.7	B	4 12 „
13	22.101	19.45	78.1	45.53	79.0	.0458	.8490	19.31.0	C	5 12 „
14	22.032	19.64	78.3	45.21	79.0	.0489	.8455	19.29.3	C	6 12 „
15	23.198	19.69	78.3	45.53	79.0	.0497	·8490	19.30.5	C	7 12 „
16	25.326	20.10	78.6	45.75	79.1	.0564	.8511	19.30.7	C	8 12 „
17	27.521	20.74	79.5	45.84	79.6	.0670	.8524	19.29.6	R	9 12 „
18	28·276	21.02	80.4	45.56	80.2	.0715	.8494	19.27.7	R	10 12 „
19	27.933	21.24	81.1	45.33	80.9	.0752	.8468	19.26.3	R	11 12 „
20	26.492	21.11	82.0	44·85	81·5	.0730	.8416	19.24.6	R	Noon.
21	25.600	20.53	82.4	44.88	81.9	.0635	.8419	19.25.9	B	1 12 p. m.
22	24.846	20.25	82.5	44·83	82.6	.0589	.8413	19.26.3	B	2 12 „
23	24.363	20.04	82.7	44.85	83.2	.0555	.8416	19·26.8	B	3 12 „
Mar. 9th-Noon.	24.159	19.92	82·5	44·82	83.4	.0534	.8412	19.27.0	B	4 12 „
1	23.335	20.02	81.8	44.87	83.1	.0551	.8418	19.27.0	C	5 12 „
2	22.718	19·86	80.6	44.78	82.1	.0525	.8408	19.26.9	C	6 12 „
3	23.130	19.64	79·9	45.00	81.2	.0489	.8432	19.28.3	C	7 12 „
4	23.267	19.52	79.2	45.02	80.6	·0469	.8434	19.28.7	C	8 12 „
5	23.473	19.40	79.0	45.14	80.2	.0450	·8447	19.29.5	R	9 12 „
6	23 267	19.60	79·0	45.20	80.0	.0482	.8454	19.29.4	R	10 12 „
7	23.540	19.62	78.7	45.30	80.0	.0485	.8465	19.29.6	R	11 12 „
8	23.473	19.72	78.7	45.39	79.7	.0502	.8475	19.29.9	R	Midnight.
9	23.130	19.57	78.3	45.32	79.4	·0478	.8467	19.29.9	B	1 12 a. m
10	23.130	19.63	78.3	45.38	79.3	.0487	.8474	19.29.9	B	2 12 „
11	22.787	19.68	78.1	45.47	79.1	.0495	.8486	19.30.3	B	3 12 „
12	22.032	19.78	77.9	45.48	78.8	.0512	.8485	19.30.2	B	4 12 „
13	22.237	19.93	77.8	45.52	78.7	·0536	.8489	19.29.9	C	5 12 „
14	22.101	19.91	77.6	45.54	78.6	.0533	.8491	19.30.1	C	6 12 „
15	22.032	19.94	77.9	45.88	78.7	.0538	.8529	19.31.5	C	7 12 „
16	24.090	20.23	78·1	46.02	78.9	.0586	.8544	19.31.4	C	8 12 „
17	25.532	20.73	79.1	46.06	79.2	.0668	.8549	19.30.6	R	9 12 „
18	26.286	20.97	80.0	45.87	79.8	·0707	.8528	19.29.2	R	10 12 „
19	26.423	21.11	81.3	45.47	80.6	·0730	.8484	19.27.2	R	11 12 „
20	24.846	21.15	81.8	44.98	81.1	.0736	.8430	19.25.1	R	Noon.
21	23.404	20.82	82.0	44.94	81.9	.0682	·8425	19.25.7	B	1 12 p. m.
22	23.193	20.79	82.5	45.08	82.5	.0678	.8441	19.26.3	B	2 12 „
23	23.335	20.57	82.7	45·19	83.0	.0642	.8453	19.27.3	B	3 12 „
Mar. 11th-Noon.	23.130	20.60	83.4	44.92	84.1	.0646	.8423	19.25.9	C	4 12 „
1	22.923	20.35	82.5	45.00	83.4	.0605	.8432	19.26.8	C	5 12 „
2	22.444	20.08	81.6	44.94	82.8	.0561	.8425	19.27.2	C	6 12 „
3	23.060	19.96	80.8	45.14	82.0	.0541	.8447	19.28.4	C	7 12 „
4	22.991	19.87	80.4	45.16	81.8	.0527	.8450	19.28.6	C	8 12 „
5	23.130	19.83	80.0	45.24	81.4	.0520	.8458	19.29.0	R	9 12 „
6	22.991	19.86	79.7	45.16	81.0	.0525	·8450	19.28.6	R	10 12 „
7	23.060	19.79	79.5	45.32	80·6	·0514	.8467	19.29.5	R	11 12 „
8	23.267	19.86	79.4	45.34	80.5	·0525	.8469	19.29.2	R	Midnight.
9	22.923	19.90	79.2	45·29	80.3	·0531	.8464	19.29.0	B	1 12 a.m.
10	22·787	19.96	79.1	45.32	80.1	.0541	.8467	19.29.1	B	2 12 „
11	22.237	20.11	78.9	45.29	79.7	.0566	.8464	19.28.5	B	3 12 „

On the 8th, at about 19h., Dip as obtained by Observation was 19°01'2.
On the 9th, at about 19h., Deflection Observations were taken.

DAILY OBSERVATIONS, FROM 11TH TO 13TH MARCH 1860.

Date. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1860.
h.										h. m.
Mar. 11th—12	22·237	19.99	78·5	45.37	79·5	8.0546	2,8473	19°29·1	B	4 12 a. m.
13	22.237	19.97	78.3	45.37	79.1	.0543	.8473	19·29.3	C	5 12 „
14	21.826	20.04	78.0	45.35	78·9	.0555	.8471	19.28.9	C	6 12 „
15	22.101	20.19	78.0	45.47	78.9	.0579	.8484	19.29.2	C	7 12 „
16	23.953	20.48	78·5	45.72	79.0	.0627	.8511	19.29.6	C	8 12 „
17	25.875	21.11	79.2	45.59	79.8	.0730	.8497	19.27.8	R	9 12 „
18	27.315	21.59	80.3	45.35	80.1	·0809	.8471	19.25.7	R	10 12 „
19	26.698	21.91	81.4	44.83	81.0	.0861	.8413	19.22.8	R	11 12 „
20	24.363	21.77	81.9	44.65	81.6	.0839	.8394	19.22.3	R	Noon.
21	22.991	21.56	82.4	44.71	82.1	.0804	.8400	19.23.1	B	1 12 p. m.
22	22.444	21.30	82.9	44.84	82.9	.0761	.8414	19.24.1	B	2 12 „
23	22.032	21.10	83.1	44.85	83.3	.0728	.8416	19.24.6	B	3 12 „
Mar. 12th—Noon.	21.276	21.12	83.1	44.77	83.6	.0731	.8407	19.24.3	B	4 12 „
1	21.071	21.12	82.8	44.86	83.7	.0731	·8417	19.24.7	C	5 12 „
2	22.444	20.31	81.6	45.07	83.0	.0599	.8440	19.27.3	C	6 12 „
3	23.198	19.75	81.0	45.32	82.2	.0507	.8467	19.29.5	C	7 12 „
4	23·677	18.13	80.7	45.27	81.8	.0241	.8462	19.32.7	C	8 12 „
5	24.639	18.01	80.3	46·40	81.5	.0222	.8586	19.37.8	R	9 12 „
6	24.502	18.75	80.0	46.49	81.2	.0343	.8596	19.36.7	R	10 12 „
7	24.502	18.74	79.8	46·53	81.0	.0342	.8600	19·36.9	R	11 12 „
8	24.776	18.88	79.7	46.42	80.8	.0364	·8588	19.36.1	R	Midnight.
9	24.914	19.72	79.3	46.49	80.3	.0338	.8596	19.36.7	B	1 12 a. m.
10	24.226	19.02	79·0	46.30	80.0	.0387	.8575	19.35.2	B	2 12 „
11	23.130	19.53	78.7	46.33	79.7	.0471	.8578	19.34.3	B	3 12 „
12	23.130	19.33	78.5	46.27	79.6	.0438	.8572	19.34.4	B	4 12 „
13	22.991	19·23	78.2	46.28	79.2	.0422	.8573	19.34.7	C	5 12 „
14	22.991	19.29	78.0	46.37	79.0	.0432	.8583	19.35.0	C	6 12 „
15	24.159	19.48	77.9	46.52	79.0	.0463	.8599	19.35.2	C	7 12 „
16	25.120	19.74	78.4	46.47	79.0	.0506	.8594	19.34.4	C	8 12 „
17	25.532	20.31	79.2	46.29	79.5	.0599	.8574	19·32.4	R	9 12 „
18	25.669	20.42	80.0	46·18	80.0	.0617	.8562	19.31.6	R	10 12 „
19	24.570	20.39	80.6	45.92	80.5	.0612	.8533	19.30 8	R	11 12 „
20	22.581	20.42	81.0	45.63	81.0	.0617	.8501	19.29.3	R	Noon.
21	21.758	20.19	81.1	45.75	81.1	.0579	.8515	19.30.5	B	1 12 p. m.
22	22.032	20.08	81.3	45.95	81.5	.0561	.8537	19.31.6	B	2 12 „
23	21.758	20.13	81.5	45.92	82.0	.0569	.8533	19.31.3	B	3 12 „
Mar. 13th—Noon.	21.482	20.11	81.3	45.89	82.2	.0566	.8530	19.31.2	B	4 12 „
1	21.688	20.06	80.6	46.06	82.0	.0558	·8549	19.32.0	C	5 12 „
2	22.101	19.76	79.8	46.09	81.2	.0509	·8552	19.32.8	C	6 12 „
3	22.718	19.51	79.2	46.26	80.7	.0468	.8571	19.34.0	C	7 12 „
4	22.854	19.35	78.9	46.25	80.0	.0441	.8570	19.34.4	C	8 12 „
5	23.130	19.30	78.5	46.30	80.0	.0433	.8575	19.34.7	R	9 12 „
6	24.639	19.56	78.5	46.39	79·6	.0476	.8585	19.34.5	R	10 12 „
7	24.639	19.38	78.5	46.38	79.4	.0446	.8584	19.34.7	R	11 12 „
8	24.639	19.21	78.4	46.28	79.4	.0419	.8573	19.34.7	R	Midnight.
9	24.090	19.43	78·0	46.32	79.0	.0455	.8577	19 34.4	B	1 12 a. m.
10	23·677	19.67	77.9	46.26	78.6	.0494	.8571	19.33.7	B	2 12 „
11	23.473	19.75	77.6	46.22	78.5	.0507	.8566	19.33.3	B	3 12 „
12	23.335	19.50	77.3	46.23	78.3	.0466	.8567	19.33.9	B	4 12 „
13	22·991	19.20	77.0	46·19	78.1	.0417	.8563	19.34.3	C	5 12 „
14	22.854	19·03	77.0	46.32	78.0	.0389	.8577	19.35.3	C	6 12 „
15	23·609	19.31	77.0	46.43	77.6	.0435	.8589	19.35.1	C	7 12 „
16	24.159	19.70	77.2	46.46	78.0	.0499	.8593	19.34.5	C	8 12 „
17	24.502	20.47	78.3	46.26	78.7	.0626	.8571	19.32.9	R	9 12 „
18	24.639	20.45	79.7	46·25	79.5	.0622	.8570	19.32.0	R	10 12 „
19	24.570	20.97	80.7	46.01	80·2	.0707	.8543	19.29.9	R	11 12 „
20	23.953	21.07	81.3	46.08	81.0	.0724	.8551	19.30.0	R	Noon.
21	23.198	20.79	81.9	46·20	81.3	.0678	.8564	19.31.0	B	1 12 p. m.
22	22·718	20.60	82.1	46·11	81.9	.0646	.8554	19.31.0	B	2 12 „
23	23.198	20.35	82.1	46.08	82.5	.0605	.8551	19.31.5	B	3 16 „

On the 12th, at about 19h., Dip as obtained by Observation was 19°05'6.

DAILY OBSERVATIONS, FROM 14TH TO 16TH MARCH 1860.

Date. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1860.
h.										h. m.
Mar. 14th-Noon.	23·060	20.28	81·9	45·92	82·5	8.0594	2.8533	19°31′0	B	4 12 p. m.
1	22.923	19.96	81.3	45·89	82.4	.0541	.8530	19.31.6	C	5 12 „
2	23.267	19.66	80.6	45.91	81.9	.0492	.8532	19.32.2	C	6 12 „
3	24·021	18.95	80.1	46.21	81.0	.0375	.8565	19·35.0	C	7 12 „
4	23.884	19.01	79.9	46.17	80.8	.0386	.8561	19.34.6	C	8 12 „
5	23.677	19.17	79.7	46.18	80.7	.0412	.8562	19.34.4	R	9 12 „
6	23.473	19.50	79.5	46.18	80.6	.0466	.8562	19.33.6	R	10 12 „
7	23.746	19.61	79.5	46.27	80.4	.0484	.8572	19.33.9	R	11 12 „
8	23.540	19.86	79.3	46.20	80.1	.0525	.8564	19.32.9	R	Midnight.
9	23.473	19.62	79.3	46.22	80.1	.0485	.8566	19.33.5	B	1 12 a. m.
10	23.816	19.42	79.0	46.23	79.6	.0453	.8567	19.34.1	B	2 12 „
11	23.609	19.77	79.0	46.25	79.5	.0511	.8570	19.33.5	B	3 12 „
12	23.335	19.69	78.9	46.23	79.5	.0497	.8567	19.33.5	B	4 12 „
13	23.130	19.70	78.8	46.25	79.4	.0499	.8570	19.33·6	C	5 12 „
14	23·060	19.78	78.5	46.23	79.2	.0512	.8567	19.33.4	C	6 12 „
15	23.473	19.51	78.1	46.30	79.0	.0468	.8575	19.34.2	C	7 12 „
16	24.159	19.63	78.5	46·27	79.0	.0487	.8572	19.33.7	C	8 12 „
17	24.159	20.18	79.5	45.99	79.7	.0577	.8541	19.31.5	R	9 12 „
18	23·677	20.62	80.5	45.76	80.4	·0649	.8516	19.29.5	R	10 12 „
19	23.130	20.90	81.8	45.84	81.3	.0695	.8524	19.29.2	R	11 12 „
20	22·581	20.93	82.4	45.76	82·0	.0700	.8516	19.29.0	R	Noon.
21	21.963	20.61	82.7	45.77	82.3	.0648	.8517	19.29.6	B	1 12 p. m.
22	22·237	20.32	83.2	45.89	82.9	.0600	.8530	19.30.8	B	2 12 „
23	22.718	19.98	82.9	45.95	83.3	.0544	.8537	19.31.9	B	3 12 „
Mar. 15th-Noon.	23.404	20.10	82·6	45.94	83.1	.0564	.8535	19.31.5	B	4 12 „
1	23.060	19.67	81.8	45.93	82.8	.0494	.8534	19.32.3	C	5 12 „
2	22.991	19.53	81.0	45.83	82.0	.0471	.8523	19.32.2	C	6 12 „
3	23.404	19.86	80.6	45.91	81.9	.0525	.8532	19.31.7	C	7 12 „
4	23.335	19.67	80.4	45·90	81.5	.0494	.8531	19.32.2	C	8 12 „
5	23.473	19.91	80.3	45.90	81.4	.0533	.8531	19.31.7	R	9 12 „
6	23.198	19.75	80.0	45.95	81.0	.0507	.8537	19·32.3	R	10 12 „
7	23.473	19.64	80.0	46.18	81.0	.0489	.8562	19.33.3	R	11 12 „
8	23.540	19.85	80.0	46.13	80.8	.0523	.8556	19.32.8	R	Midnight.
9	23.743	19.72	79.6	45.97	80.5	.0502	.8539	19.32.4	B	1 12 a. m.
10	23.609	19.66	79.3	45.96	80.2	.0492	.8538	19·32.5	B	2 12 „
11	23.267	19.77	79.0	45.94	79.7	.0511	.8535	19.32.2	B	3 12 „
12	22·991	19.66	78.8	46.09	79.6	.0492	.8552	19.33.0	B	4 12 „
13	23.540	19.56	78.4	46.14	79.2	.0476	.8557	19.33.5	C	5 12 „
14	23.816	19·57	78·1	46.17	79.0	.0478	.8561	19.33.5	C	6 12 „
15	24.846	19.64	78.0	46.22	79.0	.0489	.8566	19.33.5	C	7 12 „
16	24.914	20.16	78.8	46.12	79.1	.0574	.8555	19.32.2	C	8 12 „
17	24.846	20.47	79.7	45.95	80·0	.0626	.8547	19.31.1	R	9 12 „
18	25.051	20.62	79.4	45.86	80.4	.0649	.8527	19·30.0	R	10 12 „
19	24.159	20.73	81.0	45.89	81·0	.0668	.8530	19.29.9	R	11 12 „
20	23.130	20.76	81.7	45.85	81.7	.0673	.8526	19·29·7	R	Noon.
21	21.895	20.71	82.5	45.82	82.2	.0665	.8522	19.29 5	B	1 12 p. m.
22	22.787	20.44	82.7	46.03	82.8	.0621	.8545	19.31.1	B	2 12 „
23	23.540	20.29	82.9	45.90	83.3	.0596	·8531	19.30.8	B	3 12 „
Mar. 16th-Noon.	24.570	20.22	82.5	45·81	83·5	.0584	.8521	19·30.7	B	4 12 „
1	23.130	19·94	81.9	45·69	83.0	.0538	.8497	19.30.3	C	5 12 „
2	22.512	19·86	80.6	45.71	82.0	.0525	.8510	19.30.9	C	6 12 „
3	22.787	19.70	80.0	45.89	81.5	.0499	.8530	19.32.1	C	7 12 „
4	22.923	19.83	79.7	45.93	81.0	.0520	.8534	19.31.9	C	8 12 „
5	23.267	19·84	79.5	45·92	80.7	.0522	.8533	19.31.9	R	9 12 „
6	23.060	19·91	79.4	45.72	80.5	.0533	.8511	19·31.0	R	10 12 „
7	23.267	19.72	79.0	45.91	80.3	.0502	.8532	19.32.1	R	11 12 „
8	23.473	19.90	79·0	45.80	80.0	.0531	.8520	19.31.4	R	Midnight.
9	23.746	19.78	78.5	45.99	79.6	.0512	·8641	19.32.4	B	1 12 a. m.
10	23.473	19.95	78.2	45·98	79.4	·0539	.8540	19.32.0	B	2 12 „
11	23.746	19.81	78.1	46.08	79.2	.0517	.8551	19.32.6	B	3 12 „

On the 15th, at about 19h. 45m., Dip as obtained by Observation was 19°02′5.

DAILY OBSERVATIONS, FROM 16TH TO 19TH MARCH 1860.

Date. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1860.
h.										h. m.
Mar. 16th—12	23·746	19.99	78·0	46.07	79·0	8.0546	2.8550	19°32′2	B	4 12 a. m.
13	23.816	19.82	77.9	45.90	78.8	.0518	.8531	19.31.8	C	5 12 „
14	23.473	19.86	77.8	45.82	78.5	.0525	.8522	19.31.3	C	6 12 „
15	24.639	19.65	77.2	45.89	78.2	.0490	.8530	19·32.2	C	7 12 „
16	24.502	20.02	77.6	45.94	78.6	·0551	.8535	19.31.6	C	8 12 „
17	24.502	20.48	78.4	45.67	79.0	.0627	.8506	19.29.4	R	9 12 „
18	24.707	20.77	79.3	45.68	79.3	.0695	.8507	19.28.9	R	10 12 „
19	23·677	21.17	80.5	45.49	80.2	.0740	.8486	19.27.2	R	11 12 „
20	22.444	21.25	81.1	45.37	80.6	.0753	.8473	19.26.5	R	Noon.
21	22.649	21.00	81.4	45.74	81.4	.0712	·8513	19.28.7	B	1 12 p. m.
22	23.609	21·00	82.0	45.86	82.0	.0712	.8527	19.29.3	B	2 12 „
23	24.021	20.53	82.0	45.91	82.6	.0635	.8532	19.30.3	B	3 12 „
Mar. 18th-Noon.	24.295	19.01	82.0	45.91	83.5	.0386	.8532	19.33.5	C	4 12 „
1	24·502	18·67	81.6	45.82	83.0	.0330	.8522	19.33.9	C	5 12 „
2	24.159	18.63	80.9	45.78	82.8	.0323	.8518	19.33.9	C	6 12 „
3	24.021	18.41	80.3	45.74	82.0	·0288	.8513	19.34.1	C	7 12 „
4	23.816	18.35	80.0	45.79	81.9	.0277	.8519	19.34.5	C	8 12 „
5	24.021	18.44	79.9	45.84	81.4	.0293	.8524	19.34.5	R	9 12 „
6	23.816	18.75	79.7	45.94	81.0	.0343	.8535	19·34.4	R	10 12 „
7	24.432	18.50	79.5	46.02	80.8	.0302	.8544	19·35.1	R	11 12 „
8	24.707	18.42	79.0	45.98	80.3	.0289	.8540	19.35.2	R	Midnight.
9	24.639	19.00	78.9	46.05	80.1	.0548	.8548	19.32.1	B	1 12 a. m.
10	23.953	19.13	78.9	45.98	79.9	.0405	.8544	19.33.7	B	2 12 „
11	23.473	19.32	78.9	45.97	79.1	.0436	.8539	19.33.2	B	3 12 „
12	23.609	19.34	78.7	46.05	79.5	.0440	.8548	19.33.6	B	4 12 „
13	23.816	19.34	78.3	46.02	79.2	.0440	.8544	19.33·4	C	5 12 „
14	24.226	19.45	78.2	46.04	79.0	.0458	.8546	19·33·2	C	6 12 „
15	24.639	19.80	78.0	46.12	79.0	.0515	.8555	19.33.8	C	7 12 „
16	25.669	20.32	79.0	46.18	79.2	.0600	.8562	19.31.9	C	8 12 „
17	25.737	20.41	79.5	46.00	80.0	.0616	.8542	19.30.9	R	9 12 „
18	24.432	20.87	80.4	45.62	80·5	.0691	.8500	19.28.4	R	10 12 „
19	23.473	20.56	81.0	45.78	81.0	.0640	.8512	19.29.5	R	11 12 „
20	22.168	20.36	81.6	45.85	81.6	.0607	.8526	19.30.5	R	Noon.
21	22.305	19.89	81.9	46.04	81.6	.0530	.8548	19.32.4	B	1 12 p. m.
22	22.923	19.32	81.9	46.32	82.3	.0436	.8577	19.34.7	B	2 12 „
23	23.953	18.99	81.9	46.28	82.7	.0382	.8573	19.35.3	B	3 12 „
Mar.19th-Noon.	24.707	18.92	81.7	45.99	82.9	.0370	.8541	19.34.2	B	4 12 „
1	24.295	18.95	81.3	45.92	82.9	.0375	.8533	19·33.8	C	5 12 „
2	23.746	18.43	80.4	45.86	82.1	.0291	.8527	19.34.7	C	6 12 „
3	23.335	18.66	79.6	45.89	81.2	.0328	.8530	19.34.3	C	7 12 „
4	23.335	18.87	79.0	45.85	80.5	.0363	.8526	19.33.7	C	8 12 „
5	20.677	18.96	78.9	46.01	80·2	.0377	.8543	19.34.2	R	9 12 „
6	23.816	18.87	78.7	46.20	80.0	.0363	.8564	19.35.1	R	10 12 „
7	23.677	19.43	78.5	46.06	79.7	.0455	.8549	19.33.3	R	11 12 „
8	24.159	19.19	78.3	45.89	79.5	.0415	.8530	19.33.1	R	Midnight.
9	23.816	19.56	78.0	45,96	79.2	·0476	.8538	19.32.7	B	1 12 a. m.
10	24·226	19.47	77.8	45.81	78·8	.0463	·8521	19.32.2	B	2 12 „
11	24.846	19.25	77.2	45.87	78.4	.0425	.8528	19.32·9	B	3 12 „
12	24.159	19.30	77.0	45.97	78.2	.0433	.8539	19.33.3	B	4 12 „
13	24.159	19.36	76.8	46.01	78.0	.0443	.8543	19·33.4	C	5 12 „
14	25.737	19.11	76.6	46.13	77.7	·0402	.8556	19.34.4	C	6 12 „
15	25.532	19.41	77.0	46.23	77.5	.0452	.8567	19.34.1	C	7 12 „
16.	25.943	19.83	77.3	46.22	78.0	.0520	.8566	19.33.1	C	8 12 „
17	25.532	20.52	78.2	45.96	78.5	.0633	.8538	19.30.7	R	9 12 „
18	24.432	20.57	79.1	45.72	79.0	.0642	.8510	19.29.5	R	10 12 „
19	22.512	20.94	80.0	45.52	79.9	.0702	.8459	19.27.8	R	11 12 „
20	22.101	20.84	80.6	45.84	80·5	.0686	.8524	19.29.3	R	Noon.
21	22.168	20.77	81.3	45.88	81.1	.0675	.8529	19.29.7	B	1 12 p. m.
22	22.923	20.45	81.9	45.91	81.9	.0622	.8532	19.30.5	B	2 12 „
23	23.677	20.25	82.0	45.90	82.5	.0589	.8531	19.30.9	B	3 12 „

On the 16th, at about 19h., Deflection Observations were taken.
On the 19th, at about 19h., Dip as obtained by Observation was 19°07′5.

DAILY OBSERVATIONS, FROM 20TH TO 22ND MARCH 1860.

DATE. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1860.
h.										h. m.
MAR. 20TH-Noon.	24·226	20.16	82·0	45.73	82·7	8.0574	2.8522	19°30·3	B	4 12 p. m.
1	23.473	20.05	81.4	45.51	83.0	·0556	.8488	19.29.6	C	5 12 ,,
2	22.512	19.97	81.2	45.44	82.5	.0543	.8480	19.29.6	C	6 12 ,,
3	22.923	19.75	80.5	45.69	81.6	.0507	.8508	19.31.1	C	7 12 ,,
4	22.923	19.68	80.0	45.78	81·0	.0495	.8518	19.31.6	C	8 12 ,,
5	23.060	19.66	79.8	45.82	81.0	.0492	.8522	19.31.8	R	9 12 ,,
6	22.787	19.69	79.7	45.79	80.7	.0497	.8519	19.31.6	R	10 12 ,,
7	23.746	19.65	79.5	45.89	80.4	·0490	.8531	19·32.2	R	11 12 ,,
8	23.816	19.53	79.2	45.90	80.1	.0451	.8531	19.32.7	R	Midnight.
9	23.816	19.61	79·2	45.94	79·8	.0484	.8535	19.32.6	B	1 12 a. m.
10	23.540	19.66	78.8	45.89	79.5	.0492	.8530	19.32.2	B	2 12 ,,
11	23.473	19.84	78.3	45.83	79.2	.0522	.8523	19.31.5	B	3 12 ,,
12	24.021	19.54	78·0	45.93	78·9	.0473	.8534	19.32.6	B	4 12 ,,
13	23.953	19.43	77.5	45.96	78.6	.0455	.8538	19.32.9	C	5 12 ,,
14	24.226	19.36	77.1	46.00	78.2	·0443	.8542	19.33·3	C	6 12 ,,
15	24.983	19·50	77.1	46·10	78·0	.0466	.8553	19.33.4	C	7 12 ,,
16	25.532	20.00	77.9	46.01	78.3	·0548	.8543	19.31.9	C	8 12 ,,
17	24.846	20.65	79.0	45.64	79.3	.0654	.8502	19.28·9	R	9 12 ,,
18	23.884	20.99	80.0	45.31	80.2	.0710	.8466	19.26·8	R	10 12 ,,
19	22.168	21.31	81.5	45.19	81·1	.0763	.8453	19.25.7	R	11 12 ,,
20	21.071	21.23	82.3	45.38	82.1	·0750	.8474	19.26.5	R	Noon.
21	21.208	21.09	83.0	45.73	82·8	.0727	.8512	19.27·3	B	1 12 p. m.
22	21.688	20.71	83.6	45.85	83.2	.0665	.8526	19.29.7	B	2 12 ,,
23	22.649	20.17	83.6	45.89	83.6	.0576	.8530	19.31.1	B	3 12 ,,
MAR. 21ST-Noon.	23.404	19.88	83.5	45.80	84.1	.0528	.8520	19.31.3	B	4 12 ,,
1	23.540	19·50	83.1	45.62	84·1	.0466	.8500	19.31.3	C	5 12 ,,
2	23.540	19.27	82.2	45.70	83.4	.0429	·8509	19.32.1	C	6 12 ,,
3	23.404	18.93	81.7	45.87	83.0	.0372	·8528	19.33.7	C	7 12 ,,
4	23.884	18.75	81.4	45.81	82.6	.0343	.8521	19.33.8	C	8 12 ,,
5	23.404	18.93	81.4	45.77	82.4	.0372	.8517	19.33.3	R	9 12 ,,
6	23.198	19.06	81.3	45.77	82.2	.0394	.8528	19.33.9	R	10 12 ,,
7	23 267	19.21	81.0	45.86	82.0	.0419	.8527	19.33.0	R	11 12 ,,
8	23.060	19.42	80.9	45.88	82.0	.0453	.8529	19.32.6	R	Midnight.
9	23.267	19.33	80.5	46.01	81.3	.0438	·8543	19.33.4	B	1 12 a. m.
10	23.404	19.36	80.2	46.01	81.0	.0443	.8543	19.33·4	B	2 12 ,,
11	23.404	19.31	79.9	45.92	80.8	.0435	.8533	19.33.0	C	3 12 ,,
12	23.198	19·35	79.7	45.91	80.4	.0441	.8532	19.32.9	C	4 12 ,,
13	23.130	19.38	79.6	46.16	80.4	.0446	·8560	19.33.8	R	5 12 ,,
14	23.473	19.25	78.6	46.25	80.0	.0425	.8570	19·34.5	R	6 12 ,,
15	25.326	19.45	78.2	46.14	79.6	.0458	.8557	19.33·7	B	7 12 ,,
16	25.737	20.08	79.0	46.02	80.0	.0561	.8544	19.31.8	B	8 12 ,,
17	25.943	20.75	80.0	45.72	80.3	.0671	.8511	19.29.1	C	9 12 ,,
18	25.532	21.05	81.6	45·53	81.2	.0720	.8490	19.27.6	C	10 12 ,,
19	24.021	21.19	82.7	45.37	82.4	.0743	.8473	19.26.7	R	11 12 ,,
20	22.305	21.16	84.0	45.16	83·3	.0738	.8450	19.25.7	R	Noon.
21	22.584	20.75	84.5	45.38	84.2	.0671	.8474	19.27·6	B	1 12 p. m.
22	23.060	20.68	84.9	45.56	84.8	.0659	.8494	19.28.5	B	2 12 ,,
23	23.198	20.61	85·3	45.54	85.2	.0632	.8492	19·28.8	C	3 12 ,,
MAR. 22ND-Noon.	23.335	20.17	85.4	45.43	85.5	.0576	.8479	19.29.0	C	4 12 ,,
1	23.130	19.83	84.4	45.44	85.5	.0520	·8480	19.29.8	R	5 12 ,,
2	23.130	19.54	83.3	45.54	84.6	.0473	.8491	19·30·9	R	6 12 ,,
3	22.718	19.31	82.5	45.64	83.6	.0435	.8502	19.31.7	B	7 12 ,,
4	23.130	19.22	82.0	45.78	83.3	·0420	.8518	19.32·6	B	8 12 ,,
5	22.923	19.33	81.8	45.49	83.0	.0438	.8486	19.31.1	C	9 12 ,,
6	23.540	19.10	81.8	45.57	82.8	.0400	·8495	19.32.0	C	10 12 ,,
7	23.953	19.00	81.4	45·56	82.5	.0384	.8494	19.32.2	R	11 12 ,,
8	23.884	19.05	81.0	46.05	82.3	.0392	.8548	19.34·2	R	Midnight.
9	24.021	18.97	80.6	45.86	82.0	.0379	.8527	19.33.6	B	1 12 a. m.
10	23.816	19.15	80.3	45.85	81.5	.0408	.8526	19.33.1	B	2 12 ,,
11	23.335	19.21	79.6	45.74	81.3	.0419	.8513	19.32.4	B	3 12 ,,

DAILY OBSERVATIONS, FROM 22ND TO 25TH MARCH 1860.

DATE. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1860.
h.										h. m.
MAR. 22ND—12	22·991	19.17	79°2	45.74	80°6	8.0412	2.8513	19°32′6	B	4 12 a. m.
13	23.404	19.10	79.0	45.89	80.4	.0400	.8530	19.33.4	C	5 12 „
14	23.884	19.22	79·0	46.01	80.2	.0420	.8543	19.33.6	C	6 12 „
15	25.600	19.44	79.1	46.19	80.2	.0457	.8563	19.33.8	C	7 12 „
16	26.355	19.96	79.8	45.88	80.6	·0541	.8529	19.31.5	C	8 12 „
17	26·080	20.54	80.7	45.50	81.2	.0637	.8487	19.28.6	R	9 12 „
18	25.189	21.05	82.4	45.07	82.3	.0720	.8440	19.25.7	R	10 12 „
19	23.130	21.26	83.5	44.89	83.0	.0755	.8420	19.24.4	R	11 12 „
20	21.432	21.18	84.3	44.94	83.5	.0741	.8425	19·24.9	R	Noon.
21	20.522	20.91	84.9	45.28	84.2	.0697	.8463	19.26.8	B	1 12 p. m.
22	21.551	20.42	85.1	45.60	84.9	.0617	.8494	19·29.3	B	2 12 „
23	22.649	20.08	85.2	45.82	85.5	.0561	.8522	19.30.9	B	3 12 „
MAR. 23RD—Noon.	23.609	19.78	85.1	46.27	85.8	.0512	.8572	19.33.5	B	4 12 „
1	23.130	19.60	84.6	46.02	86.0	.0482	.8544	19.32·9	C	5 12 „
2	22.787	19.51	84.0	46.00	85.1	.0468	.8542	19.32.9	C	6 12 „
3	22.923	19.38	83.4	46.14	84.6	.0446	.8557	19.33.6	C	7 12 „
4	22.854	19.42	83·0	46.22	84.0	.0453	.8566	19.34.0	C	8 12 „
5	22.854	19.40	82.5	46.26	83·5	.0450	.8571	19.34.2	R	9 12 „
6	22.854	19.42	82.2	46.34	83.4	.0453	.8579	19.34.5	R	10 12 „
7	23.130	19.55	82.0	46.09	83.0	.0474	·8552	19.33.3	R	11 12 „
8	23.473	19.69	81.7	46·20	82.5	.0497	.8564	19.33·3	R	Midnight.
9	23.130	19.69	81.3	46.19	82.3	.0497	.8563	19·33.3	B	1 12 a. m.
10	23.746	19.59	80.9	46.31	81.9	.0481	.8576	19.34.1	B	2 12 „
11	23.609	19.42	80.4	46.25	81.5	.0453	.8570	19.34.2	B	3 12 „
12	23.267	19.42	80.4	46.20	81.5	.0453	.8564	19.33.9	B	4 12 „
13	23.267	19.34	80.4	46.25	81.5	.0440	.8570	19.34.4	C	5 12 „
14	24.639	19.20	80.0	46.49	81.2	.0417	·8596	19.35.6	C	6 12 „
15	26.561	19.30	79.6	46.43	81.0	.0433	.8589	19.35.2	C	7 12 „
16	26.016	19.89	80.0	46.19	81.0	.0530	.8563	19.32.9	C	8 12 „
17	24.776	20.26	81.6	45.91	82.0	.0591	.8532	19.30.9	R	9 12 „
18	23.198	20.59	83.0	45.80	82.8	·0645	.8520	19.29.7	R	10 12 „
19	21.826	20.98	83.5	45.81	83.5	.0708	.8521	19·29.0	R	11 12 „
20	21.415	21.16	84.5	45.78	84.2	.0738	.8518	19.28.5	R	Noon.
21	21.345	21.09	85.4	45.93	84.9	.0727	.8534	19.29.2	B	1 12 p. m.
22	22.101	20.76	85.6	46.12	85.5	.0673	.8555	19.30.9	B	2 12 „
23	22·923	20.32	85.8	46.03	86.0	.0690	.8545	19.31.4	B	3 12 „
MAR. 25TH—Noon.	22.923	20.18	85.9	45.96	86.7	.0577	.8538	19.31.4	C	4 12 „
1	22.787	20.01	85.2	45.90	86.5	.0550	.8531	19.31.4	C	5 12 „
2	22.444	19·84	84.6	45.74	86.0	.0522	.8513	19·31.1	C	6 12 „
3	22·305	19.54	84.1	45.93	85.6	.0473	.8534	19·32.6	C	7 12 „
4	22.718	19.49	84.0	45.99	85.0	.0465	.8541	19.32.9	C	8 12 „
5	22.854	19.49	83.7	45.89	84.8	.0465	.8530	19.32.5	R	9 12 „
6	22.854	19.46	83.5	46.04	84.5	.0460	.8546	19.33.2	R	10 12 „
7	23.198	19.39	83.3	45.86	84·0	·0448	.8527	19.32.6	R	11 12 „
8	23·473	19.53	83.0	45.92	84.0	.0471	.8533	19.32 6	R	Midnight.
9	23.473	19.56	82.9	45.96	83.5	.0476	.8538	19.32·7	B	1 12 a. m.
10	23.267	19.61	82·4	45.55	83.3	.0484	.8493	19.30.9	B	2 12 „
11	23.198	19.61	82.0	45.79	83.1	.0484	.8519	19.31.9	B	3 12 „
12	22.991	19.63	82.1	45.81	83.0	.0487	.8521	19.31.8	B	4 12 „
13	22.854	19.71	82.0	45.79	83.0	.0501	.8519	19.31.6	C	5 12 „
14	22.991	19.79	81.9	45.87	82.9	.0514	.8528	19.31.9	C	6 12 „
15	24.090	20.01	82.0	45.86	82.7	.0550	·8527	19.31.3	C	7 12 „
16	24.776	20.31	82.3	45·79	83.0	·0599	.8519	19.30.3	C	8 12 „
17	24·502	20·79	83.0	45.50	83.4	.0678	.8487	19.28.1	R	9 12 „
18	23.335	21.19	84.0	45.22	84.0	·0743	.8456	19.26.1	R	10 12 „
19	21.482	21.36	84.5	45.06	84.6	·0771	.8439	19.25.0	R	11 12 „
20	20.042	21.45	85.2	45.30	85.0	.0786	.8471	19.25·9	R	Noon.
21	19.150	21.44	85.5	45.52	85.5	.0785	.8489	19.26.6	B	1 12 p. m.
22	20.110	21·07	86.1	45·77	86.4	.0724	.8517	19.28.7	B	2 12 „
23	21.826	20.72	86.2	45.92	86.7	.0666	.8533	19.30.0	B	3 12 „

On the 22nd, at about 19h. 20m., Dip as obtained by Observation was 19°07′5.
On the 23rd, at about 20h. 25m., Deflection Observations were taken.

DAILY OBSERVATIONS, FROM 26TH TO 28TH MARCH 1860.

DATE. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1860.
h.										h. m.
MAR. 26TH-Noon.	23·130	20.39	86·2	45.99	87·1	8.0612	2.8541	19°31'1	B	4 12 p. m.
1	23.267	20.07	85.7	45.71	87.0	·0560	.8510	19.30.5	C	5 12 ,,
2	22.444	20·00	85.0	45.43	86.7	.0548	.8479	19.29.3	C	6 12 ,,
3	22.444	19.83	84.6	45.64	86.0	.0520	.8502	19.30.6	C	7 12 ,,
4	22.512	19.81	84.5	45.67	85·8	.0517	.8506	19.30.8	C	8 12 ,,
5	22.305	19.77	84.0	45.71	85.3	.0511	.8510	19.31·2	R	9 12 ,,
6	22·374	19.71	83.5	45.58	85.0	.0501	.8496	19.30.7	R	10 12 ,,
7	23.060	19.66	83.4	45.94	84.6	.0492	·8535	19.32.4	R	11 12 ,,
8	23.816	19·43	83 2	45.94	84.5	.0455	.8535	19.32.8	R	Midnight.
9	23.609	19.41	83.0	45.89	83.7	.0452	.8530	19.32.7	B	1 12 a. m.
10	23·816	19.20	82.5	45.87	83.5	.0417	.8528	19.33.0	B	2 12 ,,
11	23 609	19.50	82.0	45.90	83.2	.0466	.8531	19.32.5	B	3 12 ,,
12	23.198	19.58	81.8	45.81	82.9	.0479	.8521	19.32.0	B	4 12 ,,
13	23.335	19.39	81.4	45.92	82.7	.0448	.8533	19.32.8	C	5 12 ,,
14	23.540	19.48	81·2	46.00	82·5	·0463	·8542	19·33.0	C	6 12 ,,
15	25.532	19.74	81.6	45.98	82.5	.0506	.8540	19.32.4	C	7 12 ,,
16	24·363	20.35	82·5	45 79	83.0	·0605	.8519	19.30.2	C	8 12 ,,
17	24.363	20.85	83.5	45.61	83.8	.0647	.8499	19.28.3	R	9 12 ,,
18	24.021	21.38	84.6	45.30	85.0	.0774	.8465	19.26.0	R	10 12 ,,
19	22.305	21.74	85.7	45.12	85.6	.0834	.8445	19.24.5	R	11 12 ,,
20	21.276	21.37	86.6	45.40	86.5	.0773	.8476	19.26.4	R	Noon.
21	21.482	21.40	87.7	45.53	87.5	.0778	.8490	19.26.9	B	1 12 p. m.
22	21.758	21.17	88.3	45.55	88.4	.0740	.8493	19.27.5	B	2 12 ,,
23	22.649	20.69	88.5	45.63	89.2	.0661	.8501	19.28.8	B	3 12 ,,
MAR. 27TH-Noon.	22.923	20.44	88.6	45.49	89.5	.0621	.8486	19·28.7	B	4 12 ,,
1	22.581	20.24	88.0	44.99	89.8	.0588	.8431	19.27.0	C	5 12 ,,
2	22.168	19.95	87·2	44.87	89.0	.0539	.8418	19.27.2	C	6 12 ,,
3	22.649	19.71	86.6	44.99	88.0	.0501	.8431	19.28.2	C	7 12 ,,
4	22.649	19.31	85.6	45.05	87.0	.0435	.8438	19.29.3	C	8 12 ,,
5	23.473	19.31	84.6	45.13	86.0	.0435	.8446	19.29.6	R	9 12 ,,
6	23.267	19.32	84.3	44·87	85.7	.0436	.8418	19.28.5	R	10 12 ,,
7	23.816	19.38	84.0	44.99	85.5	.0446	.8431	19.28.8	R	11 12 ,,
8	24.090	19.36	83.7	45.06	85.2	.0443	.8439	19.29.3	R	Midnight.
9	24.159	19.33	83.0	44.84	84.8	.0438	.8415	19.28.4	B	1 12 a. m.
10	23.473	19.49	83·0	45.10	84.0	·0465	.8443	19.29.1	B	2 12 ,,
11	23.473	19.37	82.6	45·15	83.4	·0445	.8449	19.29.5	B	3 12 ,,
12	23.130	19.27	82·4	45.06	83.3	.0429	.8439	19.29.4	B	4 12 ,,
13	22.649	19.46	82.2	45.17	83.2	.0460	.8451	19.29.5	C	5 12 ,,
14	22.787	19·51	82.0	45.30	83.0	.0468	.8465	19.29.9	C	6 12 ,,
15	24.295	19.57	81.4	45.32	82.7	.0478	·8467	19.29.9	C	7 12 ,,
16	25.394	20.16	82.0	45.26	83.0	.0574	.8461	19.28.4	C	8 12 ,,
17	26.561	20.43	83 0	44.92	84.0	.0619	.8424	19.26.3	R	9 12 ,,
18	27·658	21.11	84.5	44.55	85.0	.0730	.8383	19.23.3	R	10 12 ,,
19	24·090	21.03	86.0	44.48	85.9	.0717	.8375	19·23.1	R	11 12 ,,
20	22·512	20.28	86·6	44.90	86.5	.0594	.8421	19.26.6	R	Noon.
21	22.649	20.31	87·0	44.96	87.0	.0599	.8428	19.26.8	B	1 12 p. m.
22	22.718	19.98	87.1	44.87	87.3	.0544	.8418	19.27.2	B	2 12 ,,
23	26.149	19.64	87.2	44.93	87.7	7.9833	.8424	19.36.6	B	3 12 ,,
MAR. 28TH-Noon.	25.600	15.18	87.1	44.94	88·0	.9757	.8425	19.37.6	B	4 12 ,,
1	24·776	16.12	86.8	44.78	87.9	.9911	.8408	19.35.0	C	5 12 ,,
2	23.130	16.80	86.0	44.54	87.5	8.0023	.8381	19.32.4	C	6 12 ,,
3	23.746	16.51	85.3	44.96	86.9	7·9976	.8425	19.34.8	C	7 12 ,,
4	25.120	16.53	84.9	45.17	86.3	.9979	.8451	19.35·8	C	8 12 ,,
5	24.295	16.83	84.4	45.08	86.0	8.0028	.8442	19.34.7	R	9 12 ,,
6	23.816	16.92	84.0	44.97	85·6	.0042	.8429	19.34.1	R	10 12 ,,
7	24.090	17.02	83.7	45.06	85.2	.0059	.8439	19.34.2	R	11 12 ,,
8	24.570	17.22	83.5	45.10	85.0	.0092	.8443	19.34.0	R	Midnight.
9	24.502	17.34	83.2	45.10	84.5	.0112	.8443	19.33.8	B	1 12 a. m.
10	23.744	17.44	82.9	45.17	84.0	.0129	.8451	19.33.8	B	2 12 ,,
11	22.512	17.53	82.5	45·15	83.1	.0143	.8449	19.33.6	B	3 12 ,,

On the 26th, at about 19h. 10m., Dip as obtained by Observation was 19°03'1.

DAILY OBSERVATIONS, FROM 28TH TO 30TH MARCH 1860.

DATE. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1860.
h.										h. m.
MAR. 28TH—12	22·787	17.51	82°2	45.34	82°9	8.0140	2.8469	19°34'3	B	4 12 a. m.
13	22.787	17.97	81.8	45.08	82.8	.0215	.8441	19.32.2	C	5 12 „
14	21.895	17.97	81.9	45.00	82.7	.0215	·8432	19.31.8	C	6 12 „
15	24.639	17.50	82·0	45.54	82·9	.0138	.8491	19.35.2	C	7 12 „
16	25.326	17.52	82·4	45.27	83.0	.0141	.8462	19.34.0	C	8 12 „
17	25.875	17.79	83.0	45.13	83.5	.0186	.8446	19.32.8	R	9 12 „
18	25.532	18.10	83.9	44.72	84.0	.0236	.8401	19.30.4	R	10 12 „
19	24.983	17.76	84.4	44.64	84.7	.0181	.8392	19.30.8	R	11 12 „
20	23.677	17.73	85.0	44.50	85·1	·0176	·8377	19.30.3	R	Noon.
21	22.854	17.30	85·3	44.66	85.4	.0105	.8395	19.31.9	B	1 12 p. m.
22	23.953	16.89	85.8	44.89	86.2	.0033	.8420	19.33.8	B	2 12 „
23	24.090	16.77	86.0	44.68	86.6	.0019	.8417	19.33.9	B	3 12 „
MAR. 29TH-Noon.	24·432	16.60	85.9	44·73	87.1	7.9990	.8402	19.33.6	B	4 12 „
1	23.677	16.55	85.3	44.86	86·9	.9981	.8417	19.34.5	C	5 12 „
2	23.473	17·08	84.5	44.95	86.2	8.0069	.8429	19.33.7	C	6 12 „
3	23.404	16.02	83.8	45.08	85.2	7.9895	·8441	19.36.4	C	7 12 „
4	25.737	14.62	83.5	45.26	85.2	.9665	.8461	19.40.1	C	8 12 „
5	26.080	16.16	83.1	45.44	84.6	.9918	.8480	19.37.6	R	9 12 „
6	25.669	16.54	83.0	45·24	84.5	.9981	.8458	19.36.1	R	10 12 „
7	26.218	16.39	82.7	45.53	84·2	.9956	.8490	19.37.5	R	11 12 „
8	26.080	16.60	82.4	45.38	84.0	.9990	.8474	19.36.4	R	Midnight.
9	25.600	18.00	82.2	45.41	83.5	8.0220	.8477	19.33.6	B	1 12 a. m.
10	26.080	17·77	82.0	45.40	83·2	.0183	.8476	19.34.1	B	2 12 „
11	25.532	17·17	81·5	45.21	83·0	.0084	.8455	19·34.7	B	3 12 „
12	24.226	17.80	81.5	45.33	82.8	.0187	.8463	19.33.4	B	4 12 „
13	24.983	17.78	81.0	45.35	82.5	.0184	.8471	19.33.9	C	5 12 „
14	26.561	17.64	80.8	45.37	82·2	·0161	.8473	19.34.2	C	6 12 „
15	26·835	18.08	81.0	45.31	82.0	.0233	.8466	19.33.0	C	7 12 „
16	26.286	18.70	81.9	45.13	82.5	.0335	.8446	19.30.9	C	8 12 „
17	25.463	18.92	82.7	45.09	83.0	.0370	.8442	19.30.3	R	9 12 „
18	23.677	19.28	83.5	44.75	83.5	.0430	.8405	19.28.1	R	10 12 „
19	21.895	19.45	84.0	44.50	84.1	.0458	.8377	19.26.6	R	11 12 „
20	20.728	19.66	84.9	44.65	85.0	.0492	.8394	19·26.8	R	Noon.
21	21.345	19.46	85.5	44·92	85.5	.0460	·8423	19.28.4	B	1 12 p. m.
22	22·444	19.04	85.7	45.02	85.7	.0391	.8434	19.29.7	B	2 12 „
23	23.198	18.92	85.9	44.94	86.2	.0370	.8425	19.29.7	B	3 12 „
MAR.30TH-Noon.	23.746	18.79	86.0	44.89	87.0	.0350	.8420	19.29.7	B	4 12 „
1	24.021	18.58	85·7	45.01	87.0	·0315	.8433	19.30.6	C	5 12 „
2	24.502	18.45	84.9	45.10	86.5	.0294	.8443	19.31.4	C	6 12 „
3	24.570	18.27	84.3	45·18	86.0	·0265	.8453	19.32.1	C	7 12 „
4	24.502	18.50	84.0	45.16	85.2	.0302	.8450	19·31.6	C	8 12 „
5	24 090	18.71	83.7	45.23	85.0	.0337	.8457	19.31.4	R	9 12 „
6	24.295	18.56	83.5	45.14	84.7	.0312	.8447	19.31.4	R	10 12 „
7	24.846	18.49	83.0	45.07	84.0	.0301	.8440	19.31.2	R	11 12 „
8	24.639	18.60	82·5	45·11	83.6	.0318	.8444	19·31.0	R	Midnight.
9	24.846	18.58	82.1	45.12	83.2	.0315	.8445	19.31.1	B	1 12 a. m.
10	24·639	18.61	82.0	45.19	83.0	.0320	.8453	19.31.4	B	2 12 „
11	24.021	18·72	82.2	45.19	83.0	.0338	.8453	19.31.2	B	3 12 „
12	23.816	18.66	81.9	45.21	82.9	.0328	.8455	19.31.4	B	4 12 „
13	24.159	18.93	81.5	45.34	82·6	.0372	.8469	19.31.3	C	5 12 „
14	25.394	18·68	80.5	45.49	82.2	.0331	.8486	19.32.5	C	6 12 „
15	27.178	18.88	81.0	45.51	82·0	.0364	.8488	19.32.2	C	7 12 „
16	28.070	19.39	81.9	45.28	82.5	·0448	.8463	19.30.0	C	8 12 „
17	27.658	20.00	82.5	44.79	83.0	.0548	.8409	19.26.6	R	9 12 „
18	26.286	20.61	83.8	44.47	84.0	.0648	.8374	19.23.9	R	10 12 „
19	24.159	20.74	85.0	44.40	85.0	.0670	.8366	19.23.4	R	11 12 „
20	22.787	20.65	86.0	44·67	85.8	.0654	.8396	19.24.8	R	Noon.
21	22·512	20.41	86.2	44.89	86.3	.0599	.8420	19.26.5	B	1 12 p. m.
22	23.335	20.00	86.6	44.95	86.6	.0548	.8427	19.27.4	B	2 12 „
23	23.884	19.92	86.5	44.86	87.0	·0518	.8417	19.27.4	B	3 12 „

On the 29th, at about 19h., Dip as obtained by Observation was 19°06'2.
On the 30th, at about 19h. 40m., Deflection Observations were taken.

DAILY OBSERVATIONS, FROM 1ST TO 3RD APRIL 1860.

DATE. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. — In English Units.	Absolute Vertical Force. — In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1860.
h.										h. m.
APR. 1ST-Noon.	23·540	19.68	85·9	44.98	86·7	8.0495	2.8430	19°28'2	B	4 12 p. m.
1	23.473	19.51	85.3	44.84	86.6	.0468	.8414	19.27.9	B	5 12 „
2	23.473	19.43	84.7	44.88	86.1	.0455	.8419	19.28.2	B	6 12 „
3	23.473	19.33	84.0	45.18	85.4	.0438	.8452	19.29.8	B	7 12 „
4	23.198	19·24	83.4	45.25	85.0	·0424	.8460	19.30.3	B	8 12 „
5	23.267	19.27	83.1	45.30	84.5	.0429	.8465	19.30.4	C	9 12 „
6	23.060	19.30	82.9	45.30	84.0	.0433	.8465	19.30.4	C	10 12 „
7	23.335	19.33	82.5	45.26	83.5	.0438	.8461	19.30.1	C	11 12 „
8	23.677	19.13	82.2	45.29	83.1	.0405	.8464	19.30.6	C	Midnight.
9	23.540	19·23	82.0	45.39	83.0	.0422	.8475	19.30·9	R	1 12 a. m.
10	23.609	19.20	81.8	45.29	83.0	.0417	.8464	19.30.4	R	2 12 „
11	23.473	19.22	81.5	45.58	82.5	.0420	.8496	19.31.7	R	3 12 „
12	23.473	19.38	81.3	45.58	82·5	.0446	.8496	19.31.3	R	4 12 „
13	23.884	19·64	81.1	45.67	82.3	.0489	·8506	19.31.2	B	5 12 „
14	25.120	19.70	81.1	45.86	82·0	.0499	.8527	19.32.0	B	6 12 „
15	26.561	20.02	81.3	45.76	82.0	.0551	.8516	19.30.8	B	7 12 „
16	27.178	20.39	81.9	45.57	82.4	.0612	.8496	19.29.3	B	8 12 „
17	25.943	20.20	82.8	45.18	82.8	·0745	.8452	19.25.7	C	9 12 „
18	23.540	21.51	83.8	44.86	83.4	.0796	.8417	19.23·8	C	10 12 „
19	21.415	21.55	84.4	44.76	84.0	.0802	.8406	19.23.3	C	11 12 „
20	19.767	21.58	84.9	44·93	84.9	.0807	.8424	19.23.9	C	Noon.
21	19.836	21.26	85.4	45.16	85.4	·0755	·8450	19.25.6	R	1 12 p. m.
22	21.276	20.68	85·7	45.58	86.0	.0659	.8496	19.28.6	R	2 12 „
23	21.415	20.49	85.8	45.52	87.0	.0629	.8489	19.28.7	R	3 12 „
APR. 2ND-Noon.	22.444	20.33	86.0	45.32	87.2	.0602	.8467	19.28.3	R	4 12 „
1	22.444	20.21	85.3	45·17	86·9	.0583	.8451	19.28.0	B	5 12 „
2	22.168	20.06	84.5	45.28	86.0	.0558	.8463	19.28.6	B	6 12 „
3	22.168	19.88	83.8	45.37	85.2	.0528	.8473	19.29.4	B	7 12 „
4	22.308	19.79	83.7	45.35	85.0	.0514	.8471	19.29.6	B	8 12 „
5	22.649	19.66	83.4	45.40	84.7	.0492	.8476	19.30.0	C	9 12 „
6	22.787	19.72	83.2	45.46	84.1	.0502	.8483	19.30.2	C	10 12 „
7	22.991	19.78	82.9	45.50	83·5	.0512	.8487	19.30·3	C	11 12 „
8	23.404	19.82	82.6	45.57	83.3	.0518	.8495	19.30.4	C	Midnight.
9	23.473	19.84	82.0	45.29	83.0	.0522	.8464	19.29·1	R	1 12 a. m.
10	23.609	19.64	81.5	45.48	82.6	.0489	.8485	19.30.4	R	2 12 „
11	22.787	19·61	81.5	45.53	82.5	.0468	.8490	19.30.9	R	3 12 „
12	22.581	19.57	81.3	45.86	82.5	.0478	.8527	19.32.3	R	4 12 „
13	23.407	19.22	81.0	45.72	82.3	.0420	·8511	19.32.3	B	5 12 „
14	23.816	19.00	80.5	45·76	82.1	.0384	.8516	19.33.1	B	6 12 „
15	26.218	19.05	80.7	46.07	81.8	.0392	.8550	19.34.3	B	7 12 „
16	25.875	19·48	81.3	45.56	82.1	.0463	.8494	19.31.1	B	8 12 „
17	25.120	20.04	82.4	45.28	82.6	.0555	.8433	19.28.6	C	9 12 „
18	23.677	20.41	83.4	45.00	83.3	.0616	.8432	19.26.6	R	10 12 „
19	22.444	20.75	84.2	45.21	84.0	·0671	.8455	19.27.0	R	11 12 „
20	21.963	20.55	85.0	45.24	84.6	.0638	.8458	19.27.5	C	Noon.
21	21.619	20.17	85.1	45.30	85.1	.0576	.8465	19.28.5	C	1 12 p. m.
22	22.395	20.05	85.6	45.47	85.7	.0556	.8484	19.29.4	R	2 12 „
23	23.130	19.60	85.4	45.49	86.2	.0482	.8486	19·30.6	R	3 12 „
APR. 3RD-Noon.	24.159	18.87	85.0	45.49	86.4	.0363	.8486	19.32.1	R	4 12 „
1	24.776	18.61	84.2	45.49	86·2	.0320	.8486	19.32.6	B	5 12 „
2	24.502	18·52	83.6	45.38	85.3	.0305	·8474	19·32.3	B	6 12 „
3	24.570	18.36	83.1	45.54	84.8	.0279	.8491	19.33.4	B	7 12 „
4	24.363	18.59	82.9	45.58	84·2	.0317	.8496	19.33.0	B	8 12 „
5	24.090	18.77	82.6	45.46	83.9	.0347	·8483	19.32.1	C	9 12 „
6	23.609	19.15	82.5	45.56	83.7	.0408	.8494	19.31.8	C	10 12 „
7	23.540	19.21	82.3	45.66	83.4	.0419	.8505	19.32.1	C	11 12 „
8	23.816	19·10	82.2	45·74	83.0	0400	.8513	19.32.7	C	Midnight.
9	23.816	19.18	82.1	45.70	83.0	.0413	.8509	19.32.4	R	1 12 a. m.
10	23.404	19.18	82.0	45.79	83.0	.0413	·8519	19.32.8	R	2 12 „
11	22·991	19.30	81.6	45.85	82.9	.0433	.8526	19.32.8	R	3 12 „

On the 2nd, at about 19h., Dip as obtained by Observation was 19°08'8.

DAILY OBSERVATIONS, FROM 3RD TO 6TH APRIL 1860.

DATE. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1860.
h.										h. m.
APR. 3RD—12	23'130	19.31	81°3	45.70	82°5	8.0435	2.8509	19°32'0	R	4 12 a. m.
13	23.540	19.26	81.0	45.57	82.4	.0427	.8495	19.31.6	B	5 12 „
14	24.159	19.28	81.0	45.56	82.0	.0430	.8494	19.31.5	B	6 12 „
15	25.532	19.18	81.0	45.41	82.0	.0413	.8477	19.31.2	B	7 12 „
16	24.707	19.73	81·3	45.19	82.3	.05 4	.8454	19.29.1	B	8 12 „
17	22.787	20.25	82.9	45 09	82.9	.0589	.8442	19.27.4	C	9 12 „
18	21.139	20.73	83.4	45.10	83.2	.0668	·8443	19.26 6	C	10 12 „
19	20.042	20.81	84.2	45.29	83.9	.0681	.8464	19.27.1	C	11 12 „
20	20.247	20.73	84 6	45.41	84.3	.0668	.8477	19.27.8	C	Noon.
21	21.071	20.33	85.0	45.66	85.2	.0602	.8505	19.29.8	R	1 12 p.m.
22	22.168	20.04	85·5	45.83	86.0	.0555	.8523	19.31.0	R	2 12 „
23	23.953	19.63	85.9	45.80	86.5	.0487	.8520	19.31.8	R	3 12 „
APR. 4TH—Noon.	23·816	19·56	85.9	45.44	86.9	.0476	.8480	19.30.4	R	4 12 „
1	23.060	19.38	85.1	45.32	86.8	·0446	.8467	19.30.2	B	5 12 „
2	23.609	19.15	84.3	45.39	86.2	.0408	.8475	19.31.1	B	6 12 „
3	23.953	18.88	83.5	45.52	85.3	·0364	.8489	19.32.2	B	7 12 „
4	23.335	19.04	83.3	45·46	84.7	.0391	.8483	19.31.6	B	8 12 „
5	23.746	19.11	83.0	45.52	84.0	.0402	·8489	19.31.7	C	9 12 „
6	23.816	19.31	82.8	45.27	83.9	.0433	.8462	19.30.2	C	10 12 „
7	24.159	19.17	82·3	45.38	83.4	·0412	.8474	19.31.0	C	11 12 „
8	23.953	19.19	82.0	45.39	83.0	.0415	.8474	19.30.8	C	Midnight.
9	23.677	19.38	81.8	45.39	83.0	.0446	.8474	19.30.4	R	1 12 a. m.
10	23.335	19.24	81.5	45.41	82.5	.0424	.8477	19.31.0	R	2 12 „
11	23.404	19·28	81.3	45.47	82.4	·0430	.8484	19.31.1	R	3 12 „
12	23.198	19.29	81.0	45.57	82.3	.0432	.8495	19.31.6	R	4 12 „
13	23.746	19.29	80.8	45.77	82.3	.0432	.8517	19.32.5	B	5 12 „
14	25.326	19.19	80·5	45.85	81.7	.0415	.8526	19.32.9	B	6 12 „
15	26.080	19.44	81.1	45.57	81.6	.0457	.8495	19.31.2	B	7 12 „
16	25.943	19.91	81.7	44·96	82.1	.0533	.8428	19.27.7	B	8 12 „
17	24.295	20.64	82.4	44.58	82.5	.0653	.8386	19.24.4	C	9 12 „
18	22.718	21.11	83.0	44.65	83.0	.0730	.8394	19.23.7	C	10 12 „
19	21.551	21.14	83.9	44.75	83.6	.0735	.8405	19.24.1	C	11 12 „
20	20.385	20.87	84.3	45.02	84.0	.0691	.8434	19.25.8	C	Noon.
21	21.071	20.63	84.9	45.32	85.0	.0651	.8466	19.27.5	R	1 12 p.m.
22	22.032	20.27	85.0	45.47	85.5	.0593	.8484	19.29.0	R	2 12 „
23	22.444	20.06	85.0	45.20	86.0	.0558	.8454	19.28.3	R	3 12 „
APR. 6TH—Noon.	22.444	20.08	84.6	45.27	85.6	.0561	.8462	19.28.5	B	4 12 „
1	22.374	19.92	84.0	45.27	85.6	.0534	.8462	19.28.9	B	5 12 „
2	22.444	19.79	83·0	45.26	84.8	.0511	.8461	19.29.2	B	6 12 „
3	22.787	19.49	82.0	45.42	84.0	.0465	.8478	19.30.4	B	7 12 „
4	23.130	19·53	81·8	45.53	83.0	.0471	.8490	19.30.9.	B	8 12 „
5	23.335	19·47	81.5	45.59	82.9	.0462	.8497	19.31.3	C	9 12 „
6	23.404	19.50	81.1	45.64	82.6	.0466	.8502	19.31.3	C	10 12 „
7	23.130	19.49	81.0	45.65	82.4	.0465	.8504	19.31.4	C	11 12 „
8	23.473	19.54	80.9	45.60	82.0	.0473	.8498	19.31.2	C	Midnight.
9	23.404	19.44	80·5	45.59	81.7	.0457	.8497	19.31.3	R	1 12 a. m.
10	23.473	19.49	80.5	45.65	81.5	.0465	·8504	19.31.4	R	2 12 „
11	23.130	19.43	80.0	45.66	81.1	.0455	.8505	19.31.6	R	3 12 „
12	23.130	19.41	79.9	45·73	81.0	.0452	.8512	19.31.9	R	4 12 „
13	22.581	19.49	79.8	45.77	80.6	.0465	.8517	19.32.0	B	5 12 „
14	23.473	19·56	79.5	46·10	80.4	.0476	.8843	19.32.9	B	6 12 „
15	24.846	19.74	79.4	46.10	80.4	.0506	.8543	19.32.5	B	7 12 „
16	25.532	20.20	80.1	45.70	80.6	.0581	.8509	19.30.2	B	8 12 „
17	25.189	20.90	81.0	45.27	81.5	.0695	.8462	19.26.7	C	9 12 „
18	23.677	21.34	82·3	45.07	82.3	.0768	.8440	19.25.1	C	10 12 „
19	22.444	21.44	83.0	45.04	82.9	.0785	·8436	19.24.6	C	11 12 „
20	21.345	21.28	83.6	45.01	83.5	.0758	.8433	19.24·9	C	Noon.
21	21.345	20.77	84.2	44.95	84.1	.0675	.8427	19.25.8	R	1 12 p.m.
22	22.305	20.33	84.9	45.20	84·9	.0602	·8454	19.27.8	R	2 12 „
23	23.130	19.95	84.5	45.65	85.1	.0539	.8504	19.30.5	R	3 12 „

DAILY OBSERVATIONS, FROM 8TH TO 10TH APRIL 1860.

Date. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observer.	Date. Bombay Civil Time. 1860.
h.										h. m.
Apr. 8th-Noon.	24·639	19.75	85·0	45.63	86·0	8.0507	2.8501	19°30·8	B	4 12 p. m.
1	24.846	19.50	84.5	45 39	85.6	.0466	.8475	19.30.3	B	5 12 „
2	22.854	19.62	83.9	45.15	85.1	.0485	·8449	19.29.0	B	6 12 „
3	22·787	19.56	83.2	45.29	84.5	.0476	·8464	19.29.7	B	7 12 „
4	22.581	19.55	83.0	45.32	84.1	.0474	.8467	19.30.0	B	8 12 „
5	22.512	19 60	82.8	45.34	83.8	.0482	.8469	19.29.9	C	9 12 „
6	22.854	19·52	82.6	45.45	83.4	.0469	.8482	19.30.5	C	10 12 „
7	22.923	19·58	82.2	45.44	83.3	.0479	.8480	19.30.4	C	11 12 „
8	23.130	19.66	82.0	45.43	83·1	.0492	.8479	19.30.1	C	Midnight.
9	23.404	19.66	81.9	45 54	83.0	.0492	.8487	19·30.5	B	1 12 a. m.
10	23.540	19.64	81.7	45.44	82.9	.0489	.8480	19.30.2	B	2 12 „
11	22.991	19.58	81.3	45.48	82·6	.0479	.8485	19·30.6	B	3 12 „
12	22.854	19.56	81.1	45.50	82.5	.0476	.8487	19.30.7	B	4 12 „
13	22.923	19.56	80.9	45.57	82·3	.0476	.8495	19·31.0	B	5 12 „
14	25.051	19.59	80.8	45.81	81.9	.0481	.8521	19.32.0	B	6 12 „
15	25.463	19.57	80.6	45.75	81.7	.0478	.8515	19.31.8	B	7 12 „
16	26.080	19.88	81.3	45.36	82.0	.0528	.8471	19.29.3	B	8 12 „
17	24.295	20.55	82.0	44.78	82.7	.0638	.8408	19.25.5	C	9 12 „
18	22.168	21.12	82.9	44.35	83.0	.0731	.8361	19.22.4	C	10 12 „
19	20.865	21.40	83.6	44.34	83.4	.0778	.8359	19.21.8	C	11 12 „
20	21.071	21.09	84.2	44.80	84.1	.0727	.8410	19.24.4	C	Noon.
21	21.208	20.82	85.0	45.11	85.0	.0682	.8444	19.26.4	N	1 12 p. m.
22	21.071	20.66	85.4	44.97	85.6	.0658	.8429	19.26.0	N	2 12 „
23	22.649	19.70	85.5	45.32	85·7	.0499	.8469	19.29.6	N	3 12 „
Apr. 9th-Noon.	23.060	19.36	85.3	45.25	86.2	.0443	.8460	19.30.1	B	4 12 „
1	22.787	19.01	84.7	45.09	86.2	.0386	·8442	19.30.0	B	5 12 „
2	22.991	18·65	83.9	45.21	85.4	.0326	.8455	19.31.4	B	6 12 „
3	22.649	18.42	83.5	45.37	85.0	.0289	.8473	19.32.5	N	7 12 „
4	23.953	17.63	83.2	45.69	84.7	.0159	.8508	19·35.6	N	8 12 „
5	24.159	17.86	83.0	45.69	84.3	.0197	.8508	19.35.1	C	9 12 „
6	25.532	17.12	82.9	45.80	84.0	.0075	.8520	19.37.2	C	10 12 „
7	25.875	17.52	82.6	45.70	84.0	.0141	·8509	19.35.9	C	11 12 „
8	25.875	18.06	82.4	45.73	83.8	.0230	.8512	19.34.8	C	Midnight.
9	26.218	17.65	82.2	45.80	83.3	.0162	.8520	19.36.1	N	1 12 a. m.
10	25.532	18.31	82·0	45.59	83.0	.0271	.8497	19.33.8	N	2 12 „
11	25.806	18.26	82.0	45.39	83·0	.0263	.8475	19.33.0	N	3 12 „
12	25.120	18.91	82.0	45.29	83.0	.0369	.8464	19.31.1	N	4 12 „
13	25.267	18.73	81.9	45.44	82.9	.0340	.8480	19.32.2	B	5 12 „
14	27.109	18.55	81.6	45.53	82.7	.0310	.8490	19.33.0	B	6 12 „
15	27.658	18.19	81.9	45.33	82.6	.0251	.8468	19.32.8	B	7 12 „
16	27.178	18.48	82.5	45.14	82.9	.0299	·8447	19.31.5	B	8 12 „
17	25.875	18·98	83.2	44.93	83.5	.0380	.8424	19.29.5	C	9 12 „
18	24.159	19.31	84·3	44.82	84.1	.0435	.8412	19·28.2	C	10 12 „
19	22.649	19.57	85.1	44.83	85.0	.0478	.8413	19.27.8	C	11 12 „
20	22.168	19.22	85.4	45.11	85.4	.0420	.8444	19.29.7	C	Noon.
21	22.787	18.98	85.9	45.37	85.8	.0380	.8473	19.31.4	N	1 12 p. m.
22	24.159	18.50	86·3	45.44	86.4	.0302	·8480	19.32.7	N	2 12 „
23	25.120	18.43	86.4	45.37	86.8	.0291	.8473	19.32.5	N	3 12 „
Apr. 10th-Noon.	25.051	18.31	86.3	45.21	87.0	.0271	.8455	19.32·2	N	4 12 „
1	23.677	18.43	86.0	4.533	87.0	.0291	.8468	19.32.3	B	5 12 „
2	23.816	18.54	85.2	46.55	86·5	.0309	.8493	19.33.1	B	6 12 „
3	23.130	18.56	84.5	45.53	85.9	.0312	.8490	19.33.0	B	7 12 „
4	22.923	18.51	84.1	45.61	85.2	.0304	·8499	19.33.4	B	8 12 „
5	23.540	18.65	84·0	45·80	85.0	.0326	.8520	19.33.9	C	9 12 „
6	23·404	18.88	83.8	45.85	85.0	.0364	.8526	19.33.7	C	10 12 „
7	23.677	18.86	83.6	45.90	84.8	.0361	.8531	19.33·9	C	11 12 „
8	24.090	18.80	83.3	45.93	84·4	.0351	.8534	19.34.1	C	Midnight.
9	23.473	18.98	83.1	45.90	84.2	.0380	.8531	19 33,7	N	1 12 a. m.
10	23.540	19.09	83.0	45.92	84.0	.0399	.8533	19.33.5	N	2 12 „
11	23.540	19.12	82.8	45.97	83.9	.0403	.8539	19.33.7	N	3 12 „

On the 9th, at about 19h., Dip as obtained by Observation was 18°58'1.

DAILY OBSERVATIONS, FROM 10TH TO 12TH APRIL 1860.

DATE. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magnetometer. — Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. — Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. — In English Units.	Absolute Vertical Force. — In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1860.
h.										h. m.
APR. 10TH—12	23'953	19.03	82°4	46.01	83°7	8.0389	2.8543	19°34'0	N	4 12 a. m.
13	24.159	19.02	82.3	46.10	83.4	.0387	.8553	19.34.4	B	5 12 „
14	24.776	19.06	82.1	44.59	83.1	.0394	.8387	19.27.9	B	6 12 „
15	25.183	19.25	82.2	44.68	83.2	·0425	.8397	19.27.8	B	7 12 „
16	24.983	19.65	82.8	44.50	83.4	.0490	.8377	19.26.2	B	8 12 „
17	23.816	20.17	83.6	44.16	83.9	.0576	.8340	19.23.7	C	9 12 „
18	22·718	20.57	84.3	43.99	84.5	..0642	.8321	19·22.1	C	10 12 „
19	21.208	20.72	85.0	44.00	85.0	.0666	.8322	19.21.7	C	11 12 „
20	21.071	20.58	85.7	44.15	85.6	.0643	.8339	19·22.8	C	Noon.
21	21.963	20.39	86.0	44.29	86·2	.0612	.8354	19.23.8	N	1 12 p. m.
22	21.963	20.29	86.5	44.31	87.0	.0596	.8356	19.24.0	N	2 12 „
23	23.335	19.58	86.4	44.47	87.2	.0473	.8374	19.26.3	N	3 12 „
APR. 11TH-Noon.	24.021	19.69	86.2	44.42	87.4	.0497	.8368	19.25.7	N	4 12 „
1	23.816	19.49	85.4	44.34	87.4	.0465	.8359	19.25.8	B	5 12 „
2	23.746	19.16	84.9	44 40	86.5	.0410	.8366	19.26.9	B	6 12 „
3	23.198	19.26	84.0	44.27	85.6	.0427	.8352	19.26.0	B	7 12 „
4	23.540	19.04	83.5	44.47	85.0	.0391	.8374	19.27.3	B	8 12 „
5	24.159	18.76	83.0	44.62	84.6	.0345	.8390	19.28.5	C	9 12 „
6	23.267	18.77	82.9	44.59	84.5	.0347	.8387	19.28.4	C	10 12 „
7	24.159	18.89	82.7	44.30	84.1	.0366	.8355	19.27.0	C	11 12 „
8	23.335	19.15	82.5	44.30	83.9	.0408	.8355	19.26.5	C	Midnight.
9	24.432	19·15	82.2	44.43	83·5	.0408	.8369	19.26.9	N	1 12 a. m.
10	25.051	18.94	82.0	44.15	83.2	.0374	.8339	19·26.3	N	2 12 „
11	24.021	19.02	81.8	44.09	83.0	.0387	.8332	19.25.7	N	3 12 „
12	24.570	19.05	81.6	44.14	82.9	·0392	.8337	19.26.0	N	4 12 „
13	25.189	18.88	81.3	44.28	82·7	.0364	.8353	19.27.0	B	5 12 „
14	26.423	18.87	81.2	44.38	82.5	.0363	.8364	19.27.3	B	6 12 „
15	26.904	18.95	81.3	44.49	82.4	.0375	.8376	19.27.6	B	7 12 „
16	26.904	19.46	82.0	44.20	82.8	.0460	.8344	19.25.3	B	8 12 „
17	26.080	20.03	82.9	43.73	83.1	.0553	.8292	19·22.0	C	9 12 „
18	24.502	20·15	83.9	43.55	83.9	.0572	.8273	19.21·1	C	10 12 „
19	22.305	20.40	84.4	43.48	84.3	.0614	.8265	19.20.3	C	11 12 „
20	21·619	20.35	85.0	43.75	85·0	.0605	.8295	19.21.5	C	Noon.
21	21.758	20·22	85.4	44.16	85.4	.0584	.8340	19.23.7	N	1 12 p. m.
22	21.688	19.91	85.5	44.18	85.9	.0533	·8342	19.24.3	N	2 12 „
23	23.060	19.45	85·5	44.19	86·3	.0458	.8343	19·25.3	N	3 12 „
APR. 12TH-Noon.	24.159	19.08	85.4	44.05	86.7	·0397	·8328	19.25.5	N	4 12 „
1	23.540	18.88	85.0	43.90	86.6	.0364	.8311	19.25.3	B	5 12 „
2	23.267	18.76	84.2	44.07	85·8	.0345	.8330	19.26.2	B	6 12 „
3	23.540	18.80	83·5	44.15	85·0	.0351	.8339	19.26.5	B	7 12 „
4	24.090	18.70	83.1	44.32	84.5	.0335	.8357	19.27.5	B	8 12 „
5	23.953	18.94	83.0	44.17	84.0	.0374	.8341	19.26.4	C	9 12 „
6	24·570	18.49	82.7	44.38	83.7	.0301	.8364	19.28.1	C	10 12 „
7	24.295	18.61	82.3	44.29	83.6	.0320	.8345	19.27.2	C	11 12 „
8	24·295	18.62	82.1	44.40	83.3	.0321	.8366	19.27.9	C	Midnight.
9	24.983	18.58	81.8	44.27	83.0	.0315	.8352	19.26.4	N	1 12 a. m.
10	23.609	18.89	81.6	44.15	82.8	.0366	.8339	19.26.3	N	2 12 „
11	23.816	18.93	81.2	44.28	82.5	.0372	.8353	19.26.9	N	3 12 „
12	24.502	19.04	81.1	44.39	82.2	.0391	.8365	19.27.0	N	4 12 „
13	24.432	18.83	81.0	44.51	82·0	.0356	.8378	19.27.9	B	5 12 „
14	24.502	18.99	80.8	44.56	81·9	.0382	.8384	19.27.9	B	6 12 „
15	26·286	18.73	81.0	44.57	81.8	.0340	.8385	19·28.5	B	7 12 „
16	26.286	19.13	81.6	44.52	82.2	·0405	.8379	19.27.3	B	8 12 „
17	25.189	19.36	82.3	43.98	82·7	.0443	·8320	19.24.7	C	9 12 „
18	23.609	19.87	83·3	43·80	83.3	.0527	.8300	19.22.8	C	10 12 „
19	22.168	19.75	84.0	43.79	84.0	.0507	.8299	19.22.9	C	11 12 „
20	21.071	19.85	84.9	43.90	84·8	.0523	.8311	19.23.2	C	Noon.
21	21·482	19.60	85.0	44.08	85.2	.0482	.8331	19.24.6	N	1 12 p. m.
22	22.237	19.57	85.4	44.16	85.4	.0478	·8340	19.25.0	N	2 12 „
23	23.130	19.51	85.3	44·18	86.0	.0468	·8342	19.25.1	N	3 12 „

On the 12th, at about 19h. 15m., Dip as obtained by Observation was 19°06'6.

DAILY OBSERVATIONS, FROM 13TH TO 16TH APRIL 1860.

DATE. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. — In English Units.	Absolute Vertical Force. — In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1860.
h.										h. m.
APR. 13TH-Noon.	23'677	19.36	85°0	44.08	86°0	8.0443	2.8332	19°25'1	N	4 12 p. m.
1	23.540	19·32	84.6	43 94	86.2	.0436	.8315	19 24 5	B	5 12 „
2	23.335	19.09	84.0	44.01	85·2	.0399	·8323	19 25.3	B	6 12 „
3	23.267	19.05	83.7	44.15	84.9	.0392	.8339	19.26.0	B	7 12 „
4	24·090	18 85	82.8	44.22	84.1	.0359	.8346	19.26.7	B	8 12 „
5	24.090	18.88	82.4	44·23	83·7	.0364	.8347	19.26.8	C	9 12 „
6	24.090	18.83	82.1	44.22	83.4	.0356	.8346	19·26.7	C	10 12 „
7	24.159	19.03	82.0	44.12	83.1	.0389	.8335	19.25.9	C	11 12 „
8	23·816	19.09	81.8	43·84	83.0	.0399	.8304	19.24.5	C	Midnight.
9	24.432	18.83	81.4	43.93	82.8	.0356	·8314	19.25.4	N	1 12 a. m.
10	24.810	18.96	81.0	43.97	82.4	.0377	.8319	19.25.4	N	2 12 „
11	24.295	19.36	80.9	43.91	82.1	.0443	.8312	19.24.3	N	3 12 „
12	24.021	19.03	80.6	43.98	81.9	.0389	.8320	19.25.3	N	4 12 „
13	24.639	19.09	80.2	44.05	81.5	.0399	.8328	19.25.5	B	5 12 „
14	26.355	18.76	80.1	44.29	81.2	.0345	.8354	19.27.1	B	6 12 „
15	26.492	18.80	80.0	44.08	81.1	.0351	·8331	19.26.2	B	7 12 „
16	26.561	19.85	81.1	43.70	81.5	.0523	.8289	19.22.3	B	8 12 „
17	24.226	19.91	82.3	43.48	82.7	.0533	.8265	19.21.3	C	9 12 „
18	24·090	18.86	83.4	43.75	83.1	.0361	.8295	19.24.7	C	10 12 „
19	22.394	18.44	84.0	43.94	83.9	.0293	.8315	19.26.4	C	11 12 „
20	22.581	18.49	84.7	43·99	84·5	.0301	.8321	19.26.5	C	Noon.
21	23.198	18.61	85.0	43.79	84.8	.0320	.8299	19.25.3	N	1 12 p. m.
22	23.060	18.64	85.5	43·67	85.7	.0325	.8286	19.24.7	N	2 12 „
23	23.953	18.50	85.5	43.78	86.0	.0302	.8298	19·25.6	N	3 12 „
APR. 15TH-Noon.	23.884	19.28	85·3	43·87	86.3	.0430	.8308	19.24.3	B	4 12 „
1	24.363	19.17	84.6	43.93	85.9	.0412	.8314	19.24.8	B	5 12 „
2	23.953	19·16	83.6	43.78	85.1	.0410	.8297	19.24.2	B	6 12 „
3	23.404	19.17	83·5	43.79	84.6	.0412	.8299	19.24.2	B	7 12 „
4	23.677	19.15	83.2	43.89	84.2	·0408	.8310	19.24.7	B	8 12 „
5	23.609	19.32	83.0	43.94	84.0	.0436	·8315	19.24.5	C	9 12 „
6	23.677	19.31	83·0	44.12	83.9	.0435	.8335	19.25.3	C	10 12 „
7	23.609	19.23	82.9	44.11	83.7	.0422	.8334	19.25.4	C	11 12 „
8	23.473	19.22	82.9	44.15	83.6	.0420	.8339	19.25.6	C	Midnight.
9	24.364	19.12	82.5	44.11	83.5	·0403	.8334	19.25.7	R	1 12 a. m.
10	24.090	19.30	82.4	44.09	83.0	·0433	.8332	19.25.2	R	2 12 „
11	24.363	19.24	82.3	44.09	83.0	.0424	.8332	19.25·3	R	3 12 „
12	24.159	19.20	82.3	43.89	83.0	.0417	.8310	19.24.5	R	4 12 „
13	23.816	19.08	82.1	43.69	82.9	·0397	.8288	19.23.9	B	5 12 „
14	24.846	19.06	81.8	43.78	82.7	.0394	.8298	19.24.4	B	6 12 „
15	25.394	19.34	81.6	43.62	82.4	.0440	.8280	19.23.1	B	7 12 „
16	24.639	19.91	82·8	43.24	83.0	.0533	.8238	19.20.3	B	8 12 „
17	23.267	20.22	84.0	43.24	84.0	.0584	.8238	19.19.7	C	9 12 „
18	22.237	20.51	85.0	43.36	84.8	·0632	.8252	19.19.5	C	10 12 „
19	21.002	20.57	85.4	43.20	85.3	·0642	.8234	19.18.7	C	11 12 „
20	20.865	20.22	85.6	43.37	85.8	.0584	.8253	19.20.3	C	Noon.
21	21.758	19.89	85.8	43.59	86.2	.0530	·8277	19.21.8	N	1 12 p. m.
22	22.101	19.74	85.8	43.39	86.2	.0506	.8255	19.21.3	N	2 12 „
23	22.787	19.64	85.8	43·50	86.7	.0489	.8267	19.21.9	N	3 12 „
APR. 16TH-Noon.	23.473	19.30	85.3	43.61	87.0	.0433	.8279	19.23.0	N	4 12 „
1	23.816	19.15	85.0	43.55	86.7	.0408	.8273	19.23.2	B	5 12 „
2	24.021	18.88	84.5	43.56	86.1	.0364	.8274	19.23.8	B	6 12 „
3	24.226	18.59	84.1	43.61	85.3	·0317	.8279	19.24.5	B	7 12 „
4	24.159	18.53	83.9	43.65	85.1	.0307	.8284	19·24.9	B	8 12 „
5	23.816	19.12	83.7	43.63	84.9	.0403	.8281	19.23.6	C	9 12 „
6	24.159	18.91	83.4	43.72	84.4	.0369	·8291	19.24.4	C	10 12 „
7	24.707	18.72	83.0	43.80	84·0	·0338	.8300	19.25.2	C	11 12 „
8	24.707	18.83	82.8	43.85	83.8	·0356	.8306	19.25.1	C	Midnight.
9	24.776	18.70	82.3	43·78	83.2	·0335	.8298	19.25.1	N	1 12 a.m.
10	24·432	18.94	82.0	43.76	82.9	.0374	.8296	19.24.6	N	2 12 „
11	23.884	19.11	82.0	43.78	82.8	.0402	.8298	19.24.3	N	3 12 „

DAILY OBSERVATIONS, FROM 16TH TO 18TH APRIL 1860.

DATE. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1860.
h.										h. m.
APR. 16TH—12	23·953	19.06	81°8	43.73	82°5	8.0394	2.8292	19°24'1	N	4 12 a. m.
13	23.816	19.05	81.2	43.75	82.3	.0392	.8295	19·24.3	B	5 12 „
14	24.021	19.20	81.4	43.77	82·2	.0417	.8297	19.24.0	B	6 12 „
15	23.884	19.56	81.6	43.52	82.3	.0476	.8267	19.22.1	B	7 12 „
16	23.060	19.98	82·1	43.53	82.6	.0544	.8270	19.21.4	B	8 12 „
17	21.895	20.21	82.3	43.49	82.9	.0583	.8266	19.20.8	C	9 12 „
18	20.728	20.17	82.5	43.43	83.0	·0576	.8259	19.20.5	C	10 12 „
19	19.630	20.43	83.5	43.45	83.5	.0619	.8262	19.19.9	C	11 12 „
20	19.287	20.35	84.7	43.38	84.6	.0605	.8254	19.19.9	C	Noon.
21	19.767	20.36	85.5	43.51	85.3	.0607	.8268	19.20.4	N	1 12 p. m.
22	20.385	20.22	85.3	43.56	86.0	.0584	.8274	19.21.0	N	2 12 „
23	21.619	20.02	85.3	43.69	86.3	.0551	.8288	19.21.9	N	3 12 „
APR. 17TH-Noon.	22.581	20.02	85.3	43.70	86.6	.0551	.8289	19.21.9	N	4 12 „
1	22.512	19.83	84.8	43.65	86.5	.0520	·8284	19.22.1	B	5 12 „
2	22.991	19.69	84.2	43.43	85.9	.0497	.8259	19.21.5	B	6 12 „
3	22.787	19.45	83.6	43.50	85.2	.0458	.8267	19.22.3	B	7 12 „
4	22.991	19.40	83.4	43.41	84.9	.0450	.8257	19.22.1	B	8 12 „
5	23.130	19.41	83.2	43·47	84.2	.0452	.8264	19.22.2	C	9 12 „
6	23.335	19.37	83.0	43.54	84.0	.0445	.8271	19.22.5	C	10 12 „
7	23.816	19.25	82.5	43·61	83.5	.0425	.8279	19·23.1	C	11 12 „
8	23.677	19.23	82.1	43.30	83.2	.0422	·8245	19.22.0	C	Midnight.
9	24.363	19.20	81.7	43.24	83.0	.0417	.8234	19.21.5	N	1 12 a. m.
10	24.295	19.20	81·4	43.19	82.7	.0417	.8233	19.21.5	N	2 12 „
11	24.159	19.07	81.2	43.42	82.2	.0396	.8258	19.22.8	N	3 12 „
12	24.570	19.09	80.8	43.26	82.0	.0399	.8241	19.22.1	N	4 12 „
13	24.502	19.04	80.4	43.33	81.8	.0391	.8248	19.22.5	B	5 12 „
14	26.080	19.08	80.4	43.53	81.7	.0397	.8270	19.23.2	B	6 12 „
15	26.080	19.38	81.0	43.27	81.8	.0446	.8242	19.21.4	B	7 12 „
16	25.189	19.96	81.4	43.01	82.0	.0541	.8213	19.19.2	B	8 12 „
17	24.159	20.45	82.5	42.66	82.8	.0622	.8175	19·16.6	C	9 12 „
18	22.444	20.87	83.6	42·58	83.6	.0691	.8166	19.15.3	C	10 12 „
19	21.482	20.98	84.5	42.67	84.5	.0708	.8176	19.15.5	C	11 12 „
20	21.345	20.67	85.0	42.98	85.0	.0658	.8210	19.17.5	C	Noon.
21	22.168	20.46	85.6	42.87	85.8	.0624	.8198	19.17.5	N	1 12 p. m.
22	22.991	20.39	85.8	42.99	86.2	.0612	.8211	19.18.2	N	2 12 „
23	23.746	20.23	85.9	43.00	86.5	.0586	.8213	19.18.5	N	3 12 „
APR. 18TH-Noon.	23.816	20.08	86.0	42.91	86.9	.0561	.8202	19.18.4	N	4 12 „
1	24.090	19.80	85.1	42.82	86.6	.0515	·8192	19.18.5	B	5 12 „
2	23.677	19.41	84.2	42.73	86.1	.0452	·8182	19.19.0	B	6 12 „
3	23.130	19.07	83.7	42.76	85.2	.0396	·8186	19.19.9	B	7 12 „
4	23.953	18.98	83.2	42.93	84.9	.0380	.8204	19.20.9	B	8 12 „
5	23.677	19.11	83.0	42.87	84.2	.0402	.8198	19.20.4	C	9 12 „
6	23.404	19.05	82.4	43.02	83·9	.0392	.8214	19.21.1	C	10 12 „
7	23.816	19,13	82.1	43.16	83.6	.0405	.8230	19.21.6	C	11 12 „
8	24.159	19.15	82.0	43.09	83.0	.0408	.8222	19.21.2	C	Midnight.
9	24.226	19.26	81.8	42.91	82.8	.0427	.8202	19 20.1	N	1 12 a. m.
10	23.953	19.17	81.6	42.83	82.6	.0412	.8193	19.20.1	N	2 12 „
11	23.335	19.58	81.2	42.83	82.3	.0475	.8193	19.19.2	B	3 12 „
12	23.816	19.27	80.8	42.88	82.0	.0429	.8199	19.20.0	B	4 12 „
13	23.746	19.24	80.5	42·91	81.8	.0424	.8202	19.20.2	C	5 12 „
14	24.363	18·83	80.0	43.21	81.0	.0356	.8235	19.22.4	C	6 12 „
15	26.012	19.02	80.1	43.23	81.0	.0387	.8237	19.22.1	N	7 12 „
16	25.737	19.57	81.0	42.95	81.7	.0478	.8207	19.19.8	N	8 12 „
17	24.846	20.18	82.5	42.61	82.8	.0577	.8169	19.16.9	B	9 12 „
18	22.923	20.49	83.6	42·31	83.5	.0629	.8134	19.14.9	B	10 12 „
19	21.619	20.60	84.5	42.15	84·2	.0646	.8117	19.14.0	C	11 12 „
20	20.933	20.26	85.0	42.35	85.0	.0591	.8141	19.15.7	C	Noon.
21	20.933	20.24	85.0	42.46	85.2	.0588	.8153	19.16.2	N	1 12 p. m.
22	21.758	20.03	85.1	42.67	85.8	.0553	.8176	19.17.5	N	2 12 „
23	23.335	19.73	84.9	42.96	85.9	.0504	.8208	19.19.6	B	3 16 „

On the 16th, at about 20h. 45m., Dip as obtained by Observation was 18°59'6.

DAILY OBSERVATIONS, FROM 19TH TO 22ND APRIL 1860.

DATE. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1860.
h.										h. m.
APR. 19TH–Noon.	24·226	19.56	84°5	43·00	86°0	8.0476	2.8212	19°19'9	B	4 12 p. m.
1	24.021	19.47	83.9	42·86	85.9	.0462	.8197	19.19.6	C	5 12 ,,
2	23.540	19.33	83.2	42.71	85.0	.0438	.8180	19.19.2	C	6 12 ,,
3	23·198	19.19	82.9	42.67	84.2	.0415	.8176	19·19.2	N	7 12 ,,
4	23.232	19.39	82.6	42.80	83.9	.0448	.8190	19.19.4	N	8 12 ,,
5	23.903	18.88	82.3	42.93	83.5	.0364	.8204	19.21.1	B	9 12 ,,
6	23.884	18.95	82.2	42.95	83.3	.0375	.8207	19.21.1	B	10 12 ,,
7	24.159	18.89	82.0	43.06	83.1	.0366	.8219	19.21.6	C	11 12 ,,
8	24.090	19.04	81.9	42.87	83.0	.0391	.8198	19.22.5	C	Midnight.
9	23.816	19.18	81.8	43.54	83.0	.0413	·8271	19.23.1	N	1 12 a. m.
10	23.609	19.30	81.7	43.69	83.0	.0433	.8288	19.23.5	N	2 12 ,,
11	23.473	19.27	81.7	43.78	82.8	.0429	.8298	19.23.9	N	3 12 ,,
12	23.130	19.45	81.5	44.02	82.4	.0458	.8324	19.24.5	N	4 12 ,,
13	23.609	19.33	81.2	44.07	82.4	.0438	.8330	19.25·1	B	5 12 ,,
14	25·051	19.17	81.2	44.37	82.4	.0412	.8363	19.26.7	B	6 12 ,,
15	26.904	19.22	81.5	44.45	82.3	.0420	.8372	19.26.8	B	7 12 ,,
16	26.766	19.74	82.2	43·98	82.5	.0506	.8320	19.23.8	B	8 12 ,,
17	25.737	20.24	83.0	43.39	83.0	.0588	.8255	19.20.2	C	9 12 ,,
18	23·540	20.42	84.0	43.12	83.9	.0617	.8225	19.18.6	C	10 12 ,,
19	22.923	20.34	84.9	43.42	84.7	.0604	.8258	19.20.2	C	11 12 ,,
20	21·415	20.36	85.5	43.35	85.1	.0607	.8251	19.19.8	C	Noon.
21	21.415	20.18	85.7	43.57	85.8	.0577	.8276	19.21.2	N	1 12 p. m.
22	21·619	20.05	85.6	43.73	86.0	.0556	.8292	19.22.9	N	2 12 ,,
23	22.305	19.89	85.5	43.83	86.3	.0530	.8303	19.22.8	N	3 12 ,,
APR. 20TH–Noon.	23.540	19.80	85·4	43.88	86.0	.0515	.8309	19·23.1	N	4 12 ,,
1	23.884	19.20	85.1	43.85	86.5	.0417	.8306	19.24.3	B	5 12 ,,
2	23.746	19.02	84.2	43.77	85.7	.0387	.8297	19.24.4	B	6 12 ,,
3	23.404	18.96	83.8	43.66	85.2	.0377	.8285	19.24.1	B	7 12 ,,
4	24.090	19.21	83.5	43·77	85.0	.0419	.8297	19.24.0	B	8 12 ,,
5	23.540	19.12	83.1	43.71	84.4	.0403	.8290	19.24.0	C	9 12 ,,
6	23.953	19.08	82.9	43.82	84.0	.0397	.8302	19·24.4	C	10 12 ,,
7	24.159	19.06	82.8	43.88	83.8	.0394	.8309	19.24.8	C	11 12 ,,
8	24.432	19.08	82.5	43.91	83.5	.0397	.8312	19.24.8	C	Midnight.
9	24.570	19.18	82.2	44.69	83.0	.0413	.8398	19.28.1	N	1 12 a. m.
10	24.226	19.23	82.0	44.79	83.0	.0422	.8409	19·28.3	N	2 12 ,,
11	24.090	19.17	81.7	44.69	83.0	.0412	.8398	19.28.1	N	3 12 ,,
12	20·816	19.35	81.7	44.69	82.9	.0441	.8398	19.27.7	N	4 12 ,,
13	24.159	19.05	81.4	44.78	82.6	.0392	.8408	19.28.7	B	5 12 ,,
14	25.051	19.33	81·3	44.79	82.4	.0438	.8409	19.28.1	B	6 12 ,,
15	26.149	19.47	81.6	44.77	82.4	.0462	.8407	19.27.8	B	7 12 ,,
16	25·394	20.07	82.2	44.24	83.0	.0560	·8348	19.24.2	B	8 12 ,,
17	24.363	20.54	83.0	44.04	83·4	.0637	.8326	19.22.3	C	9 12 ,,
18	23.130	20.82	84.0	43.87	84.0	.0682	.8308	19·21.1	C	10 12 ,,
19	22.512	20.93	84.8	44.11	84·7	.0700	.8334	19.21.8	C	11 12 ,,
20	21.963	20.80	85.0	44.35	85.1	.0679	.8361	19·23.1	C	Noon.
21	21.758	20.59	85.2	43.46	85.3	.0645	.8262	19.19.6	N	1 12 p. m.
22	22.168	20.37	85.4	44.45	85.0	.0609	.8372	19.24.4	N	2 12 ,,
23	23.198	20.12	85.3	44.62	85.2	.0567	·8390	19.25.7	N	3 12 ,,
APR. 22ND–Noon.	22.923	19.88	85.4	44·16	86·8	.0528	.8340	19·24.3	B	4 12 ,,
1	23.130	19·78	84.6	44·18	86.5	.0512	.8342	19.24.6	B	5 12 ,,
2	22.991	19·76	83.8	44.17	85 6	.0509	.8341	19.24.6	B	6 12 ,,
3	22.649	19.74	83.0	44.19	84.6	.0506	.8343	19.24.7	B	7 12 ,,
4	22.649	19.70	82.6	44.13	84.2	.0499	.8336	19.24.6	B	8 12 ,,
5	23.130	19·61	82.5	44·04	84.0	.0484	.8326	19.24.4	C	9 12 ,,
6	23.609	19·52	82.1	44.07	83.9	.0469	.8330	19·24.7	C	10 12 ,,
7	23.609	19.44	82.0	44.11	83.5	.0457	.8334	19.24.9	C	11 12 ,,
8	23.677	19.61	81·9	44.29	83.0	.0484	.8354	19.25.5	C	Midnight.
9	23.746	19.44	81.5	44.31	83.0	.0457	·8356	19.25.8	N	1 12 a. m
10	23.677	19.47	81.3	44·51	83.0	·0462	.8378	19.26.6	N	2 12 ,,
11	23.609	19.53	81.1	44.33	82.8	.0471	.8358	19.25.8	N	3 12 ,,

On the 19th, at about 21h. 15m., Dip as obtained by Observation was 19°03'1.

DAILY OBSERVATIONS, FROM 22ND TO 24TH APRIL 1860.

Date. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1860.
h.										h. m.
Apr. 22nd—12	23·540	19.58	81°2	44.30	82°6	8.0479	2.8355	19°25′6	N	4 12 a. m.
13	23.677	19.67	81.2	44.73	82.5	.0494	.8402	19.27.1	B	5 12 „
14	24.363	19.74	81.2	44.77	82.4	.0506	.8407	19.27.2	B	6 12 „
15	24.914	19.89	81.6	44.78	82.5	.0530	.8408	19·26.9	B	7 12 „
16	24.295	20.32	82.3	44.39	82.9	·0600	.8365	19.24.3	B	8 12 „
17	22.854	20.84	83.0	44.10	83.2	.0686	.8333	19.21.9	C	9 12 „
18	21.208	21.11	83.9	44.12	83.9	.0730	.8335	19.21.5	C	10 12 „
19	20 385	21.22	84.8	44.10	84.4	.0748	.8333	19.21.1	C	11 12 „
20	20.179	21.00	85.0	44.27	85.0	.0712	.8352	19.22.4	C	Noon.
21	20.522	20.76	85.3	44 32	85.7	.0673	·8357	19.23.2	N	1 12 p. m.
22	21.415	20·38	85.6	44.53	86.0	.0610	.8380	19.24.8	N	2 12 „
23	21.963	20.28	85.9	44.60	86.6	.0594	.8388	19.35.3	N	3 12 „
Apr. 23rd-Noon.	23.060	19.93	85.7	44.62	87.0	.0536	.8391	19.26.1	N	4 12 „
1	23.540	19·82	85.2	44.50	86.7	.0518	.8377	19.25.8	B	5 12 „
2	23.198	19.66	84.2	44.33	86.1	.0492	.8358	19.25.5	B	6 12 „
3	22.991	19.82	83 5	44.26	85.0	·0518	.8351	19.24.8	B	7 12 „
4	23.198	19.50	83.0	44.38	84.3	.0466	.8364	19.25.9	B	8 12 „
5	23.060	19.60	82.8	44.35	84.0	.0482	.8361	19.25.7	C	9 12 „
6	23.267	19.61	82.6	44.44	83.9	.0484	.8370	19·26.1	C	10 12 „
7	23.267	19.60	82.5	44.49	83.6	.0482	.8376	19·26·3	C	11 12 „
8	23.404	19.55	82.4	44.41	83 5	.0474	.8367	19.26.1	C	Midnight.
9	23.316	19.55	82.2	44.50	83.2	.0474	.8377	19.26.5	N	1 12 a. m.
10	24.021	19.46	82.0	44.21	83.1	.0460	.8345	19.25.4	N	2 12 „
11	23.746	19.50	81.8	44.31	83.0	.0466	.8356	19.25.7	N	3 12 „
12	22.923	19.43	81.6	44.34	82.9	.0455	.8359	19.25.9	N	4 12 „
13	23.130	19.42	81.6	44.49	82.9	.0453	.8376	19.26·6	B	5 12 „
14	24.504	19.60	81.5	44.68	82.6	.0482	.8397	19·27·2	B	6 12 „
15	26.335	19.78	81.7	44.73	82.6	.0512	.8402	19.26.9	B	7 12 „
16	26.904	20.22	82.5	44.14	83.0	.0584	.8337	19.23.6	B	8 12 „
17	25.120	20.68	83.4	43.59	83.6	.0659	.8277	19.20.1	C	9 12 „
18	22.787	20.95	84.4	43.53	84·6	.0703	.8270	19.19.3	C	10 12 „
19	21.415	20.90	85.0	43.89	85.0	.0695	.8310	19.20.9	C	11 12 „
20	21.139	20.49	85.5	44.17	85.5	.0629	.8341	19.23.0	C	Noon.
21	21.208	20.48	86.2	44.31	86.1	.0627	.8356	19.23.6	N	1 12 p. m.
22	21.792	20.30	86.7	44.44	87.0	.0597	.8370	19.24.5	N	2 12 „
23	22.718	20.06	86.8	44.47	87.2	.0558	.8374	19.29.1	N	3 12 „
Apr. 24th-Noon.	23.130	19.91	85.6	44.33	87.0	.0533	.8358	19.25.0	N	4 12 „
1	23.130	19.92	85.1	44.20	86.5	.0534	.8344	19·24.4	B	5 12 „
2	22.991	19.74	84.3	44.17	85.7	.0506	.8341	19.24.6	B	6 12 „
3	22.787	19.73	84.0	44.21	85.2	.0504	.8345	19.24.9	B	7 12 „
4	22.787	19.77	83.7	44.21	85.1	.0511	.8345	19.24.8	B	8 12 „
5	22.991	19.73	83.5	44.28	84·7	.0504	.8353	19.25.2	C	9 12 „
6	22.991	19.71	83.1	44.32	84.1	.0501	.8357	19.25 4	C	10 12 „
7	23.130	19.69	83.0	44.27	84.0	.0497	.8352	19.25.1	C	11 12 „
8	23.130	19.67	82.9	44.32	83.9	.0494	.8357	19.25.5	C	Midnight.
9	23.884	19.59	82.5	44.41	83.5	·0481	.8367	19.26.0	N	1 12 a. m.
10	23·884	19.63	82.3	44.30	83·2	.0487	·8355	19.25.4	N	2 12 „
11	23.473	19.68	82.2	44.29	83.1	.0495	.8354	19.25·2	N	3 12 „
12	23.335	19.52	81.8	44.29	82.9	.0469	.8354	19.25.6	N	4 12 „
13	23.540	19.60	81.5	44.38	82.6	.0489	.8364	19·25.6	B	5 12 „
14	23.816	19.53	81.3	44.53	82.5	·0471	.8380	19.26.6	B	6 12 „
15	25.257	19.67	81.5	44.60	82.5	.0494	.8388	19.26.6	B	7 12 „
16	26.012	20.05	82.1	44.38	82.8	.0556	.8364	19.24.7	B	8 12 „
17	25.463	20.38	83.2	44.95	83.6	.0610	.8317	19.22.4	C	9 12 „
18	23.816	20.70	84.4	44.64	84.6	.0663	.8282	19.20.2	C	10 12 „
19	22.374	20.67	85.1	44.80	85.0	.0658	.8300	19.21.0	C	11 12 „
20	21.688	20.75	85.8	44.91	85·5	.0671	.8312	19.21.3	C	Noon.
21	21.688	20.64	85.9	44.00	86.0	.0653	.8322	19.21.9	N	1 12 p. m.
22	22.237	20.42	85.9	44.19	86.2	.0617	.8343	19.23.2	N	2 12 „
23	22.957	20.42	85.9	44.22	86.5	.0616	.8346	19.23.2	N	3 12 „

DAILY OBSERVATIONS, FROM 25TH TO 27TH APRIL 1860.

Date. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1860.
h.										h. m.
Apr. 25th-Noon.	23·609	20.29	85·6	44.20	86·6	8.0596	2.8344	19°23′5	N	4 12 p. m.
1	23.609	20.10	85.2	44.21	86.4	·0564	.8345	19.24.1	B	5 12 ,,
2	23.404	19.90	84.3	44.12	85.8	.0531	.8335	19.24.1	B	6 12 ,,
3	23.060	19.81	83.5	44.15	85.0	.0517	.8339	19.24.3	B	7 12 ,,
4	23.060	19.80	83.0	44.19	84·3	.0515	.8343	19.24.5	B	8 12 ,,
5	22.787	19.77	82.9	44.22	84.0	.0511	.8346	19.24.8	C	9 12 ,,
6	22.787	19.85	82.8	44.42	84.0	.0523	.8368	19.25.4	C	10 12 ,,
7	23.198	19.72	82.6	44.29	83.8	·0502	.8354	19·25.2	C	11 12 ,,
8	23.198	19.78	82.2	44.17	83.6	.0512	.8341	19.24.6	C	Midnight.
9	23.643	19.79	82·0	44.21	83·1	.0514	.8345	19.24.8	N	1 12 a. m.
10	23.609	19.74	81.8	44.29	83.0	.0506	.8354	19.25.1	N	2 12 ,,
11	23.540	19.81	81.8	44.26	82.8	.0517	.8351	19.24.8	N	3 12 ,,
12	23.540	19.85	81·6	44.18	82·8	.0523	.8342	19.24.4	N	4 12 ,,
13	23.198	19.83	81.4	44.33	82.5	.0520	.8358	19.25.1	B	5 12 ,,
14	23.473	19.88	81.3	44.45	82.4	·0528	.8372	19.25·4	B	6 12 ,,
15	24.502	20·14	81.3	44·53	82·4	.0571	.8380	19.25.3	B	7 12 ,,
16	24.983	20.77	82.4	44.25	83.0	·0675	.8350	19.22.8	B	8 12 ,,
17	24.021	21.11	83.4	43.90	83.4	.0730	.8311	19.20·5	C	9 12 ,,
18	22.581	21.44	84.3	43.62	84.0	.0785	.8280	19.18·5	C	10 12 ,,
19	20.796	21.44	85.0	43.67	85·0	.0785	.8286	19.18.7	C	11 12 ,,
20	20.415	21.29	85.1	43.94	85.3	·0760	.8315	19.20.3	C	Noon.
21	20.796	21.05	85.3	44.42	85·6	.0720	.8368	19.22·8	N	1 12 p. m.
22	21.482	20.82	85.6	44.55	86.0	.0682	.8383	19.24.0	N	2 12 ,,
23	22.339	20.41	85.6	44.54	86.3	.0616	.8381	19.24.6	N	3 12 ,,
Apr. 26th-Noon.	23.335	20.05	85.3	44.45	86.3	.0556	.8372	19.25.0	N	4 12 ,,
1	24.226	19·78	84.9	44.37	86·3	.0512	.8363	19.25.4	B	5 12 ,,
2	23.060	19.64	84.2	43.66	85.3	.0489	·8285	19.22.6	B	6 12 ,,
3	22.581	19.64	83.7	43.81	85.2	.0489	·8301	19.23.2	B	7 12 ,,
4	22.923	19.50	83.5	43.89	85.0	.0466	.8310	19.23.9	B	8 12 ,,
5	23.267	19.53	83.5	43.98	84.6	.0471	.8320	19.24.3	C	9 12 ,,
6	23.473	19.48	83.2	44.01	84.2	.0463	.8323	19.24.5	C	10 12 ,,
7	23.677	19.26	83.0	43.82	84.0	.0427	.8302	19.24.0	C	11 12 ,,
8	23.540	19.17	82.9	43.82	84.0	.0412	.8302	19.24.3	C	Midnight.
9	23.643	19.25	83.0	43.82	84.0	.0425	·8302	19.24.0	N	1 12 a. m.
10	23.816	19.14	83.0	43.82	84.0	.0407	.8302	19.24·3	N	2 12 ,,
11	23.540	19.25	83.0	43.81	83.6	.0425	.8301	19.24.0	N	3 12 ,,
12	23.884	19·24	82.6	43.91	83.6	.0424	.8312	19.24.5	N	4 12 ,,
13	23.861	19.34	82.4	44.01	83.4	.0440	·8323	19.24.8	B	5 12 ,,
14	24.846	19.30	82.4	44.20	83.2	.0433	.8344	19·25.7	B	6 12 ,,
15	25.600	19.63	82.7	43.98	83.3	.0487	.8310	19.23·6	B	7 12 ,,
16	25.600	19.82	83.5	43.66	83.8	.0518	.8281	19.22.2	B	8 12 ,,
17	24.502	20.36	84.5	43.28	84.6	.0607	.8243	19.19.5	C	9 12 ,,
18	23.404	20.37	85.0	43·21	85.1	.0609	.8235	19.19.2	C	10 12 ,,
19	21.688	20.66	85.6	43.17	85.7	.0656	.8231	19.18.3	C	11 12 ,,
20	21.071	20.83	86.0	43.45	86·1	.0684	.8262	19.19.2	C	Noon.
21	21.895	20.66	85.9	43.79	86.2	.0656	.8297	19.20·9	N	1 12 p. m.
22	22.649	20.20	86.0	43.90	86.7	.0581	·8311	19.22.5	N	2 12 ,,
23	23.540	20.07	85·8	43.90	86.8	.0560	.8311	19·22.7	N	3 12 ,,
Apr. 27th-Noon.	24.536	19.76	85.3	43.90	86.5	.0509	.8311	19.23.4	N	4 12 ,,
1	24.295	19.68	84.6	43.73	86.0	.0495	·8292	19.22.7	B	5 12 ,,
2	24.090	19.68	84.1	43.61	85.3	.0495	.8299	19·22·2	B	6 12 ,,
3	23.130	19.57	84.0	43.61	85.2	.0478	.8279	19.22.5	B	7 12 ,,
4	23.130	19.62	84.0	43.71	85.2	·0485	.8290	19.22·8	B	8 12 ,,
5	23.267	19.56	83.9	43.65	85.0	.0476	.8284	19.22.7	C	9 12 ,,
6	23.404	19.61	83.9	43.79	85.0	.0484	·8299	19.23.3	C	10 12 ,,
7	23.404	19.63	83.8	43·74	84.8	.0487	.8293	19.22.9	C	11 12 ,,
8	23.404	19.72	83.8	43.79	84.6	.0502	.8299	19.23·0	C	Midnight.
9	23.404	19.67	83.5	43.60	84.4	.0494	.8279	19.22.3	N	1 12 a. m.
10	23.473	19.73	83.5	43.63	84.2	.0504	.8281	19.22.3	N	2 12 ,,
11	23.473	19.61	83.5	43.68	84.0	.0484	.8287	19.22.9	N	3 12 ,,

On the 26th, at about 21h. 30m., Dip as obtained by Observation was 19°01′2.

DAILY OBSERVATIONS, FROM 27TH TO 30TH APRIL 1860.

DATE. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1860.
h.										h. m.
APR. 27TH—12	23·267	19.52	82·9	43.67	83·9	8.0469	2.8286	19°23'0	N	4 12 a. m.
13	23.677	19.55	82.6	43.23	83.8	.0474	.8237	19.21.1	B	5 12 ,,
14	25.257	19.70	82·7	43.91	83.7	.0499	.8312	19.23.5	B	6 12 ,,
15	26.561	19.86	83.1	43.72	84.0	.0525	.8291	19.22.3	B	7 12 ,,
16	26.355	20.32	83.6	43.13	84.2	·0600	.8226	19.18.9	B	8 12 ,,
17	23·473	20.74	84.4	43.04	84.7	.0670	.8216	19.17.6	C	9 12 ,,
18	19.150	21.07	84.4	42.75	85.0	.0724	.8185	19.15.7	C	10 12 ,,
19	19.699	21.05	85.0	43.23	85.1	.0720	.8237	19.17.8	C	11 12 ,,
20	20.522	20.90	85.0	43.52	85.5	.0695	.8269	19·19.2	C	Noon.
21	21.208	20.93	84.5	43.60	85.1	.0668	.8278	19.20.0	G	1 12 p. m.
22	22.101	20.43	84.4	44.90	85.1	.0619	.8311	19·21.9	G	2 12 ,,
23	23.473	20.15	84.2	44.95	84.9	.0572	.8317	19·22.8	G	3 12 ,,
APR. 29TH-Noon.	23.746	20.39	86.6	43.38	87.6	.0612	.8254	19.19.9	B	4 12 ,,
1	23.473	19.95	85.3	43.29	87.6	.0539	.8244	19.20·4	B	5 12 ,,
2	22.718	20.01	85.6	43.25	87.2	.0550	.8240	19.20.1	N	6 12 ,,
3	22.305	19.80	85.0	43.35	86.5	.0515	.8251	19.20.9	N	7 12 ,,
4	22.374	19.83	84·7	43.48	86.0	.0520	.8265	19.21.4	N	8 12 ,,
5	22.512	19.80	84.4	43.38	85·9	.0515	.8254	19.21.0	B	9 12 ,,
6	22.854	19.76	84.2	43.51	85.4	.0509	.8268	19.21.7	B	10 12 ,,
7	22.991	19.65	83.6	43.47	85.1	.0490	·8264	19.21.7	B	11 12 ,,
8	22.581	20.10	83.6	43·53	84.9	.0564	.8270	19.21.1	B	Midnight.
9	22.991	20.41	83.5	43.60	84.9	.0616	.8278	19·20.6	C	1 12 a. m.
10	23.473	20.33	83.5	43.64	84.5	.0602	.8282	19.21.0	C	2 12 ,,
11	23.473	20.23	83.2	43.65	84.3	.0586	.8284	19.21.2	C	3 12 ,,
12	23.473	20.20	83.0	43.66	84.1	.0581	.8285	19.21.5	C	4 12 ,,
13	23.816	20.27	82.9	43.76	83.8	.0593	.8296	19.21.7	N	5 12 ,,
14	24.846	20.33	83.0	43.94	83.8	.0602	·8315	19.22.4	N	6 12 ,,
15	26.080	20.63	83.2	43.82	83.9	.0651	.8302	19.21.1	N	7 12 ,,
16	26.286	20.96	83.4	43.47	84.0	.0705	.8264	19.18.9	N	8 12 ,,
17	24.432	21.52	84.2	43.19	84.5	.0797	.8233	19.16.6	B	9 12 ,,
18	22.444	21.68	84.6	42.80	85.0	·0823·	.8190	19.14.6	B	10 12 ,,
19	21.002	21.45	85.5	42.87	85.6	.0784	.8198	19·15.5	B	11 12 ,,
20	20.247	21.16	86.2	43.19	86.4	.0738	.8233	19.17.4	B	Noon.
21	21.071	21.39	86.5	43.21	86.9	.0776	.8235	19.17.0	C	1 12 p. m.
22	22.787	20.55	86.1	43.51	86.9	.0638	.8268	19.20.0	C	2 12 ,,
23	23.609	19.95	86.3	43.36	87.0	.0539	.8252	19.20.7	C	3 12 ,,
APR. 30TH-Noon.	24.432	19.72	86.2	43.41	87.0	·0502	.8257	19.21.5	C	4 12 ,,
1	23.987	19.61	85.8	43.16	86.8	.0484	.8230	19.20.7	N	5 12 ,,
2	23.267	19·44	85.2	43.29	86.3	.0457	.8244	19·21.4	N	6 12 ,,
3	23·267	19.34	85.2	43.40	86.1	.0440	.8256	19·22.2	N	7 12 ,,
4	23.060	19.54	85.0	43.45	86.0	.0473	.8262	19.21.9	N	8 12 ,,
5	22.444	19.56	85.0	43.53	85.9	.0476	.8270	19.22.2	B	9 12 ,,
6	22.444	19.48	84.9	43.59	85.7	·0463	.8277	19.22.7	B	10 12 ,,
7	22.787	19.48	84.6	43.61	85·5	.0463	.8279	19.22.7	B	11 12 ,,
8	22·787	19.57	84.5	43.71	85.2	.0478	.8290	19.23.0	B	Midnight.
9	22.787	19.42	84.0	43.45	84.9	.0453	.8262	19.22·1	C	1 12 a. m.
10	22.718	19.59	83.9	43.43	84.9	.0481	.8259	19.21.8	C	2 12 ,,
11	22.718	19.49	83.9	43.45	84.9	.0465	.8262	19.21.9	C	3 12 ,,
12	22.923	19.66	84.0	43.49	84.9	.0492	.8266	19.21.8	C	4 12 ,,
13	23.325	19.73	84.0	43.49	84.9	.0504	.8266	19.21.7	N	5 12 ,,
14	25.257	19.89	84.0	43.75	84.4	.0520	.8295	19.22.6	N	6 12 ,,
15	25.257	19.97	84.3	43.46	84.5	·0543	·8263	19.21.1	N	7 12 ,,
16	24.363	20.50	84.7	42·94	84.8	.0630	.8205	19.17.7	N	8 12 ,,
17	21·415	20·79	85.5	42.82	85.7	·0678	.8192	19.16.5	B	9 12 ,,
18	20.042	21.05	86.5	42.70	86.5	.0720	.8179	19.15.4	B	10 12 ,,
19	19.287	20.41	87.0	42.81	86.9	·0616	.8191	19.17.2	B	11 12 ,,
20	19.081	20.36	87.2	42.77	87.3	.0607	.8187	19.17·3	B	Noon.
21	19.904	20.02	87.6	42.94	87.9	.0551	.8205	19.18.7	C	1 12 p. m.
22	20.728	19·82	87.9	42.99	88.3	.0518	.8211	19.19.3	C	2 12 ,,
23	21.002	19.74	88.0	42.97	89.0	.0506	.8209	19.19.4	C	3 12 ,,

On the 30th, at about 18h., Dip as obtained by Observation was 19°04'4.

DAILY OBSERVATIONS, FROM 1ST TO 3RD MAY 1860.

DATE. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1860.
h.										h. m.
MAY 1ST-Noon.	21·758	19.76	88°0	42.93	89°0	8.0609	2.8204	19°19'2	C	4 12 p. m.
1	22.854	19.76	87.3	43.07	88.9	·0509	.8220	19.19.9	N	5 12 ,,
2	22.581	19·77	86.8	43.04	88.0	.0511	.8216	19.19.7	N	6 12 ,,
3	22.581	19.57	86.2	43.22	87.3	.0478	.8236	19.20.9	N	7 12 ,,
4	22.991	19.37	85.8	43.18	87·1	.0445	.8232	19.21.0	N	8 12 ,,
5	23.060	19.29	85.5	42.97	86.9	.0432	.8209	19.20.4	B	9 12 ,,
6	23·198	19.43	85.4	43.00	86.7	.0455	.8212	19.20.1	B	10 12 ,,
7	23.404	19.44	85.2	43.00	86.6	.0457	·8212	19.20.1	B	11 12 ,,
8	23.540	19·40	85.0	43.04	86.2	.0450	.8216	19.20.4	B	Midnight.
9	23.404	19.51	84.8	43.01	86.0	.0468	.8213	19.20.1	C	1 12 a. m.
10	23·335	19.58	84.6	43.08	86.0	.0479	.8221	19.20.3	C	2 12 ,,
11	23 267	19.64	84.7	43.08	85.9	.0489	.8221	19.20.1	C	3 12 ,,
12	23.540	19.57	84.4	43.14	85.7	.0487	.8227	19.20.6	C	4 12 ,,
13	24.021	19.61	84.2	43.16	85.3	.0484	.8230	19.20.7	N	5 12 ,,
14	24.846	19.71	84·3	43.23	85·1	·0502	·8237	19·20.7	N	6 12 ,,
15	25.875	19.89	84.9	43.26	85.2	.0530	.8241	19.20.4	N	7 12 ,,
16	25·669	20.25	85·3	42 97	85.6	·0589	.8209	19.18.8	N	8 12 ,,
17	23.884	20.63	86.0	42.53	86.1	.0651	.8160	19.15.6	B	9 12 ,,
18	22.374	20.84	86.6	42.42	86.6	.0686	.8148	19.14.7	B	10 12 ,,
19	20.590	20.92	87.4	42.50	87.4	.0698	.8157	19.15.0	B	11 12 ,,
20	19.767	20.70	87.7	42.49	87.9	.0663	.8156	19.15.4	B	Noon.
21	20.385	20.61	88.4	42.72	88.5	.0648	.8181	19.16.4	C	1 12 p. m.
22	21.415	20.39	88.9	42.79	89.1	.0612	.8189	19.17.3	C	2 12 ,,
23	22.718	20.18	89.0	42.80	90.0	.0577	.8190	19.17.8	C	3 12 ,,
MAY 2ND-Noon.	23.816	20.03	89.1	43.03	90.4	.0553	.8215	19·19.1	C	4 12 ,,
1	23.609	19.94	89.0	42.86	90.2	.0538	.8197	19.18.6	N	5 12 ,,
2	23.473	19.74	88·0	42.83	89.3	.0506	.8193	19.18.8	N	6 12 ,,
3	22.991	19.50	87.3	42.77	88.8	.0466	.8187	19.19.1	N	7 12 ,,
4	23.060	19.49	86.8	42.82	88.0	.0465	.8192	19.19.2	N	8 12 ,,
5	23.060	19.50	86.5	42.88	87.7	.0466	.8299	19.19.5	B	9 12 ,,
6	23.677	19.58	86.0	42·97	87.2	.0479	.8209	19.19.8	B	10 12 ,,
7	23.473	19.56	85.9	42.96	87.0	.0476	.8208	19.19.8	B	11 12 ,,
8	23.473	19.55	85.3	42.96	86.6	.0474	.8208	19.19.9	B	Midnight.
9	23.473	19.60	85.0	42.99	86.4	.0482	.8211	19.19.9	C	1 12 a. m.
10	23.198	19.61	84·8	42.99	86.2	·0484	.8211	19.19.9	C	2 12 ,,
11	22.787	19.63	84.7	43·03	86.0	·0487	.8215	19.19.9	C	3 12 ,,
12	22.923	19.59	84.4	43.07	85.9	.0481	.8220	19.20.3	C	4 12 ,,
13	23.540	19.64	84.0	43.19	85.6	.0489	.8233	19.20.6	N	5 12 ,,
14	24.948	19·58	84.0	43.36	85.2	.0479	.8252	19.21.5	N	6 12 ,,
15	25.737	19.84	84.7	43.27	85.3	.0522	·8242	19.20.5	B	7 12 ,,
16	25.737	20.24	86.0	42.81	86.2	.0588	.8191	19.17.6	N	8 12 ,,
17	24.159	20.55	86 2	42.49	86.4	.0638	.8156	19.15.7	N	9 12 ,,
18	22·444	20.93	87.0	42.52	87.2	.0700	.8159	19.15.0	B	10 12 ,,
19	21·139	21.01	87.6	42.48	87.7	.0714	.8155	19·14.8	B	11 12 ,,
20	20·042	20.90	88.0	42.51	88.2	.0695	.8158	19.15.0	B	Noon.
21	19.699	20.69	88·3	42.72	89.0	.0661	.8181	19.16.3	C	1 12 p. m.
22	21.002	20.52	88.7	42.84	89.3	.0633	.8194	19.17.2	C	2 12 ,,
23	22.305	20.27	88.7	43.07	89.5	.0593	.8220	19.18.8	C	3 12 ,,
MAY 3RD-Noon.	23.609	20.17	88.7	43.01	89·8	.0576	.8213	19.18.6	C	4 12 ,,
1	23·677	20.14	88.0	42.89	89.5	.0571	.8200	19.18.3	N	5 12 ,,
2	23.198	19.91	87.0	42.86	88.6	.0533	.8197	19.18.7	N	6 12 ,,
3	22.923	19.77	86.0	42.83	87.6	·0511	.8193	19.18.8	N	7 12 ,,
4	23.198	19.58	85.5	42.81	87.0	.0479	.8191	19.19·1	N	8 12 ,,
5	23.335	19.65	85.4	42.92	86.8	.0490	.8203	19.19.4	B	9 12 ,,
6	23.816	19.62	85.1	42.92	86·5	.0485	.8203	19.19.4	B	10 12 ,,
7	23.540	19.67	84.9	42.88	85.9	.0494	.8199	19.19.2	B	11 12 ,,
8	23.816	19.57	84.5	43.05	85.5	.0478	.8218	19.20.2	B	Midnight.
9	24.021	19.58	84.0	43.11	85.2	.0479	.8224	19.20.4	C	1 12 a. m.
10	23.677	19.59	83.9	43.11	85.0	.0481	.8224	19.20.4	C	2 12 ,,
11	23.609	19.69	83.8	43·13	84.9	.0497	.8226	19.20.2	C	3 12 ,,

DAILY OBSERVATIONS, FROM 3RD TO 6TH MAY 1860.

DATE. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1860.
h.										h. m.
MAY 3RD—12	23°335	19.65	83°6	43.14	84°7	8.0490	2.8227	19°20'4	C	4 12 a. m.
13	23.953	19.59	83.0	42.98	84.5	.0481	.8210	19.19.9	N	5 12 ,,
14	25.806	19.79	82.9	43.02	84.1	.0514	.8214	19.19.6	N	6 12 ,,
15	26.561	20.40	83·1	42.79	84·2	.0614	.8189	19.17.3	B	7 12 ,,
16	26.012	20.88	84·1	42.74	85.0	.0692	.8183	19.16.0	N	8 12 ,,
17	24.432	21.59	85.2	41.91	85.4	.0809	.8092	19.10.9	B	9 12 ,,
18	21.758	21.81	86.1	41.79	86.2	.0845	.8079	19.09.8	B	10 12 ,,
19	19.904	21.90	86.5	42.10	86.8	.0859	.8113	19.11.1	B	11 12 ,,
20	19.218	21.37	87.1	42.44	87·4	·0773	·8150	19.13.8	B	Noon.
21	19.356	21.22	87·5	42.66	87.8	.0748	.8175	19.14.9	C	1 12 p. m.
22	20.247	20.87	87.8	42.76	88.5	.0691	.8186	19.16.1	C	2 12 ,,
23	20.933	20.50	87.9	42.81	88.9	.0630	.8191	19.17.1	C	3 12 ,,
MAY 4TH-Noon.	22·305	20.25	87.5	42·95	89.0	.0589	.8209	19.18.3	C	4 12 ,,
1	23.130	20.08	87.0	43.00	88·8	.0561	.8212	19.18.8	N	5 12 ,,
2	23.474	19·89	86.1	42.92	88.0	.0530	.8203	19.18.9	N	6 12 ,,
3	23.130	19.72	85.3	42.87	87.2	.0502	·8198	19.19.1	N	7 12 ,,
4	23.130	19.74	85.2	42.91	87.0	.0506	.8202	19.19.1	N	8 12 ,,
5	22.787	19.77	85.0	42.65	86.5	.0511	.8194	19.18.0	B	9 12 ,,
6	23.198	19.75	84.5	42·89	86.2	.0507	.8200	19.19.1	B	10 12 ,,
7	23.335	19.70	84.3	42.77	85·5	.0499	.8187	19.18.7	B	11 12 ,,
8	23.540	19.79	84.1	42.94	85.3	.0514	.8205	19.19.3	B	Midnight.
9	23.540	19.80	83.9	42.85	85.3	.0515	.8196	19.18.7	C	1 12 a. m.
10	23.473	19·80	83.5	42.88	85.0	.0515	.8199	19.18.8	C	2 12 ,,
11	23.267	19·86	83·3	42.93	84·9	.0525	.8204	19·18.9	C	3 12 ,,
12	23.473	19.82	83.0	42.93	84.6	.0518	.8204	19.19.0	C	4 12 ,,
13	23.473	19.99	83.0	43.40	84.0	.0546	.8256	19.20.7	N	5 12 ,,
14	24.432	20.16	82.8	43.51	83·8	·0572	.8268	19.20.9	N	6 12 ,,
15	24·846	20.47	83.2	43.50	84.0	.0609	.8267	19.20.4	N	7 12 ,,
16	24.914	20.86	83.8	43.24	84.7	.0689	.8238	19.18.2	N	8 12 ,,
17	23.130	21.48	84.9	42.95	85.1	.0791	.8206	19.15.6	B	9 12 ,,
18	21.758	21.56	85.5	42.62	85.7	.0804	.8169	19.14.0	B	10 12 ,,
19	20.933	21.53	85.9	42.68	86.0	.0799	.8177	19.14.4	B	11 12 ,,
20	20.933	21.25	86.5	42.94	86.6	.0753	.8205	19.16.1	B	Noon.
21	21.345	21.26	87.0	43·02	87.3	.0755	·8214	19.16.3	C	1 12 p. m.
22	22·305	20.98	87.5	43.20	87.8	.0708	.8237	19.18.0	C	2 12 ,,
23	22.512	20.44	87.7	43.26	88.5	.0627	.8241	19.19.1	C	3 12 ,,
MAY 6TH-Noon.	21.482	20.46	88.2	42.77	89.5	.0624	.8187	19.17.1	M	4 12 ,,
1	20.042	20.26	87·3	42.82	89.0	·0591	.8192	19.17.6	M	5 12 ,,
2	21.345	18.73	86.3	42.78	88.1	.0340	.8187	19.20.8	M	6 12 ,,
3	23.130	18.66	85.8	43·26	87.3	·0328	.8241	19.23.0	M	7 12 ,,
4	24.432	18.01	85.4	43.39	87.0	.0222	.8255	19·25.0	M	8 12 ,,
5	24 295	18.54	85.2	43.30	86.7	.0309	.8245	19.23.5	B	9 12 ,,
6	23.953	18.75	85.1	43.30	86.5	.0343	.8245	19.23.1	B	10 12 ,,
7	24 090	18.65	85.0	43.37	86.3	.0326	.8253	19.23.5	B	11 12 ,,
8	23.816	19.17	84·9	43·47	86.2	.0412	.8264	19·22.8	B	Midnight.
9	24.295	19.20	84.7	43.39	86.2	.0417	.8255	19.22.4	C	1 12 a. m.
10	24·639	19.08	84.5	43.30	86.0	.0397	.8245	19.22.3	C	2 12 ,,
11	25.051	19·01	84.2	43.26	85.9	.0386	.8241	19.22.2	C	3 12 ,,
12	25.394	19.19	84.0	43.29	85.4	.0415	.8244	19.21.9	C	4 12 ,,
13	25.120	19.20	83.9	43.48	85·2	.0417	.8265	19.22.7	N	5 12 ,,
14	26.766	18·93	83.8	43.65	85.0	.0372	.8284	19.24.1	N	6 12 ,,
15	26.904	19.17	84.3	43.49	85·1	.0412	.8266	19.22.9	B	7 12 ,,
16	27.247	19.35	84.7	43.14	85.2	·0441	.8227	19.21.1	N	8 12 ,,
17	25.326	19.75	85.0	43.15	85.5	.0507	.8229	19.20.2		9 12 ,,
18	23.473	19.93	85.9	42.68	86.1	.0536	.8177	19.17.8	B	10 12 ,,
19	21.758	19.88	86.5	42.69	86.9	.0528	.8178	19.17.9	B	11 12 ,,
20	20.659	19.68	87.0	42·92	87.4	.0495	.8203	19.19.3	B	Noon.
21	21·619	19.68	87·4	43.43	87.7	.0495	.8259	19.21.5	C	1 12 p. m.
22	21.963	19.58	87.9	43.48	88.5	.0479	.8265	19.22.0	C	2 12 ,,
23	24.295	19.44	88.0	43.45	89.0	·0454	.8262	19.22.1	C	3 12 ,,

On the 4th, at about 19h., Deflection Observations were taken.

DAILY OBSERVATIONS, FROM 7TH TO 9TH MAY 1860.

DATE. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1860.
h.										h. m.
MAY 7TH-Noon.	24'914	19.44	88°0	43.38	89°3	8.0457	2.8254	19°21'8	C	4 12 p. m.
1	24.090	19.43	87.3	43.27	89.0	.0455	.8242	19.21.3	N	5 12 "
2	23.609	19.15	86.2	43.16	88.0	.0408	.8230	19.21.6	N	6 12 "
3	23.677	19.26	85.9	43.30	87.4	.0427	.8245	19.21.9	N	7 12 "
4	23.404	19.14	85.5	43.31	87.0	.0407	.8246	19.22.2	N	8 12 "
5	23.540	19.09	85.3	43.30	86.8	.0399	.8245	19.22.3	B	9 12 "
6	23.267	19.31	85.2	43.22	86.6	.0435	.8236	19.21.5	B	10 12 "
7	23.540	19.28	85.2	43.32	86.5	.0430	.8247	19.22.0	B	11 12 "
8	23.540	19.51	85.1	43.42	86.5	.0468	.8258	19.21.9	B	Midnight.
9	23.816	19.52	85.0	43.44	86.4	.0469	.8260	19.21.9	C	1 12 a. m.
10	23.884	19.55	84.9	43.38	86.0	.0474	.8254	19.21.7	C	2 12 "
11	23.816	19.51	84.7	43.38	86.0	.0468	.8254	19.21.7	C	3 12 "
12	23.953	19.41	84.2	43.37	85.7	.0452	.8253	19.21.9	C	4 12 "
13	24.363	19.43	84.0	43.46	85.2	.0455	.8263	19.22.1	N	5 12 "
14	25.600	19.45	83.9	43.61	85.0	.0458	.8279	19.23.7	N	6 12 "
15	26.629	20.08	84.2	43.50	85.1	.0561	.8267	19.21.0	N	7 12 "
16	25.463	20.33	84.5	43.05	85.3	.0602	.8217	19.18.6	N	8 12 "
17	22.374	20.92	85.1	42.76	86.0	.0698	.8186	19.16.0	B	9 12 "
18	20.179	20.88	86.2	42.65	86.5	.0692	.8174	19.15.6	B	10 12 "
19	20.110	20.73	87.0	42.97	87.3	.0668	.8209	19.17.3	B	11 12 "
20	20.247	20.60	87.6	42.88	87.5	.0646	.8199	19.17.1	B	Noon.
21	20.110	20.44	88.0	43.04	88.0	.0621	.8216	19.18.2	C	1 12 p. m.
22	21.208	20.24	88.0	43.26	88.5	.0588	.8241	19.19.6	C	2 12 "
23	22.444	20.00	88.0	43.32	89.0	.0548	.8247	19.20.4	C	3 12 "
MAY 8TH-Noon.	24.295	19.75	87.5	43.42	88.6	.0507	.8258	19.21.4	C	4 12 "
1	24.159	19.36	87.1	43.26	88.5	.0525	.8241	19.20.4	N	5 12 "
2	23.953	19.61	86.2	43.02	88.0	.0483	.8216	19.20.1	N	6 12 "
3	22.923	19.52	85.7	43.07	87.1	.0469	.8220	19.20.4	N	7 12 "
4	23.060	19.42	85.4	43.21	86.9	.0453	.8235	19.21.2	N	8 12 "
5	23.267	19.47	85.2	43.29	86.3	.0462	.8244	19.21.4	B	9 12 "
6	23.335	19.44	85.0	43.29	86.3	.0457	.8244	19.21.4	B	10 12 "
7	23.473	19.54	85.0	43.29	86.3	.0473	.8244	19.21.3	B	11 12 "
8	23.677	19.54	84.9	43.32	86.1	.0473	.8247	19.21.5	B	Midnight.
9	24.021	19.48	84.8	43.18	86.0	.0463	.8232	19.20.9	C	1 12 a. m.
10	23.816	19.59	84.8	43.18	85.9	.0481	.8232	19.20.7	C	2 12 "
11	23.816	19.66	84.8	43.18	85.9	.0492	.8232	19.20.5	C	3 12 "
12	23.473	19.78	84.9	43.16	85.9	.0512	.8230	19.20.3	C	4 12 "
13	24.226	19.86	84.8	43.45	85.9	.0525	.8262	19.21.1	N	5 12 "
14	25.669	19.91	84.9	43.64	85.9	.0533	.8282	19.21.9	N	6 12 "
15	27.315	19.90	85.0	43.50	86.0	.0531	.8267	19.21.4	N	7 12 "
16	27.041	20.24	85.2	43.10	86.0	.0538	.8223	19.18.9	N	8 12 "
17	24.914	20.74	85.8	42.63	86.4	.0670	.8171	19.15.8	B	9 12 "
18	22.787	21.06	86.6	42.41	87.0	.0722	.8151	19.15.1	B	10 12 "
19	21.208	21.13	87.6	42.28	87.6	.0733	.8133	19.13.6	B	11 12 "
20	20.042	21.14	88.2	42.25	88.2	.0735	.8130	19.13.4	B	Noon.
21	20.728	20.97	88.3	42.46	88.5	.0707	.8153	19.14.7	C	1 12 p. m.
22	21.758	20.63	88.2	42.76	88.6	.0651	.8186	19.16.6	C	2 12 "
23	22.991	20.43	87.5	42.85	88.3	.0619	.8196	19.17.4	C	3 12 "
MAY 9TH-Noon.	24.021	20.11	87.0	43.02	88.0	.0566	.8214	19.18.8	C	4 12 "
1	24.432	19.90	86.8	43.04	88.0	.0531	.8216	19.19.4	N	5 12 "
2	23.953	19.62	86.8	42.94	87.9	.0485	.8205	19.19.5	N	6 12 "
3	22.991	19.34	86.2	42.92	87.4	.0440	.8203	19.20.1	N	7 12 "
4	22.787	19.26	85.8	43.01	87.0	.0427	.8213	19.20.6	N	8 12 "
5	23.404	19.14	85.5	43.10	86.8	.0407	.8223	19.21.3	B	9 12 "
6	23.335	19.18	85.3	43.00	86.5	.0413	.8212	19.20.8	B	10 12 "
7	22.991	19.42	85.2	43.01	86.4	.0453	.8213	19.20.3	B	11 12 "
8	22.581	19.69	85.1	42.97	86.3	0492	.8209	19.19.6	B	Midnight.
9	22.581	19.72	85.0	42.98	86.0	.0502	.8210	19.19.4	C	1 12 a. m.
10	23.130	19.58	84.9	43.10	86.0	.0479	.8223	19.20.4	C	2 12 "
11	23.130	19.75	84.7	43.18	86.0	.0507	.8232	19.20.3	C	3 12 "

On the 7th, at about 18h. 30m., Dip as obtained by Observation was 19°03'1.

DAILY OBSERVATIONS, FROM 9TH TO 11TH MAY 1860.

Date. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1860.
h.										h. m.
MAY 9TH—12	23·473	19.53	84·4	43.17	85·6	8.0471	2.8231	19°20′8	C	4 12 a. m.
13	24.159	19.34	84.0	43.02	85.1	.0440	.8214	19.20.5	N	5 12 „
14	23.875	19.47	84.0	43.09	84.9	.0462	.8222	19.20.5	N	6 12 „
15	26.835	19.47	84.1	42.95	85.0	.0462	.8207	19.20.0	B	7 12 „
16	26.561	19.52	84·8	42.56	85.4	.0469	.8163	19.18.1	N	8 12 „
17	24.570	19.57	85.4	42.12	86.0	.0478	.8115	19.16.2	N	9 12 „
18	22.444	19.77	86.3	41.98	86.1	.0494	·8100	19.15.4	B	10 12 „
19	20.385	19.80	87.2	41.97	87.2	.0515	.8099	19.14.9	B	11 12 „
20	20.385	19.57	87.6	42.23	87.8	.0478	.8127	19.16.7	B	Noon.
21	20.865	19.75	88.0	42.51	88.6	.0507	.8156	19.17.4	C	1 12 p. m.
22	21.963	19.66	88·5	42.62	89.0	.0492	.8174	19.18.1	C	2 12 „
23	23.609	19.61	88.8	42.75	89.6	.0484	.8185	19.18.9	C	3 12 „
MAY 10TH—Noon.	23·884	19·68	88.9	42.60	90.0	.0495	.8168	19.17.9	C	4 12 „
1	24.776	19.58	88.2	42.65	89.9	·0479	.8174	19.18.4	N	5 12 „
2	24.295	19.24	87.3	42.69	89.1	.0424	.8178	19.19.3	N	6 12 „
3	23.816	19.02	86.7	42.61	88.5	·0387	.8169	19.19.3	N	7 12 „
4	23.267	19.27	86.5	42·64	88.0	.0429	.8172	19.18.9	N	8 12 „
5	23.335	19.35	86.1	42.73	87.6	.0441	·8182	19.19.2	B	9 12 „
6	23.609	19.25	86.0	42.74	87.4	.0425	.8183	19.19.4	B	10 12 „
7	23.884	19.19	85.8	42.83	87.1	·0415	.8193	19.19.9	B	11 12 „
8	23.609	19.57	85.3	42.70	86.6	.0478	.8179	19.18.6	B	Midnight.
9	24.021	19.30	85.0	42.71	86.4	.0433	·8180	19.19.3	C	1 12 a. m.
10	23.616	19.40	85.3	42.74	86.3	.0450	.8183	19.19.1	C	2 12 „
11	23.953	19·39	84.8	42.78	86.1	·0448	.8188	19.19.3	C	3 12 „
12	23.816	19.36	84.5	42.87	85.6	.0443	.8198	19.19.9	C	4 12 „
13	24.492	19.52	84.3	42.81	85.3	.0469	.8191	19.19.2	N	5 12 „
14	26.012	19.63	84·3	43.06	85.2	.0488	.8219	19.20.0	N	6 12 „
15	26.766	19.65	84.6	42.94	85.4	.0490	.8205	19.19.5	B	7 12 „
16	26.938	19.84	85.1	42·69	85.8	.0522	.8178	19.18·0	N	8 12 „
17	26.012	20.18	86.3	42.35	86.5	.0577	.8141	19.15.6	N	9 12 „
18	24.816	20.02	86.3	42.30	86.5	.0551	.8135	19.16.0	B	10 12 „
19	22.787	20.26	87.2	41.87	87.2	.0591	.8088	19.13.6	B	11 12 „
20	21.551	20.30	87.6	41.88	87.6	.0597	.8089	19.13.5	B	Noon.
21	21.826	20.07	88.2	42.31	88.5	.0560	.8136	19.15.9	C	1 12 p. m.
22	23.130	19.69	88.6	42.40	89.0	.0497	.8146	19.17.1	C	2 12 „
23	23.609	19.26	88.9	42.44	89.8	.0427	.8150	19.18.2	C	3 12 „
MAY 11TH—Noon.	23.816	18.99	88.8	42.42	90.0	.0382	.8148	19.18.8	C	4 12 „
1	23.953	18.71	88.3	42.50	89.9	.0337	.8157	19.19.7	N	5 12 „
2	24.846	18.72	87.2	42.67	89.0	.0338	.8176	19.20.3	N	6 12 „
3	24.432	18.77	86.8	42.55	88.4	.0347	.8163	19.19.6	N	7 12 „
4	22.991	18·92	86·3	42.50	88.0	.0370	.8157	19.19.3	N	8 12 „
5	23.609	18·88	86.0	42.73	87.5	.0364	.8182	19.20.2	N	9 12 „
6	23.884	18.73	85.7	42.72	87.2	.0340	.8181	19.20.5	B	10 12 „
7	24.159	18.67	85.4	42.81	86.9	.0330	.8191	19.21.0	B	11 12 „
8	24.707	18.86	85.2	42.72	86.5	.0361	.8181	19.20.2	B	Midnight.
9	23.953	18.93	85.0	42.73	86.3	.0372	.8182	19.20.1	C	1 12 a. m.
10	24.502	18.87	85.0	42.74	86.1	.0364	·8183	19.20.3	C	2 12 „
11	23.953	19.05	84·8	42.71	86.0	.0392	.8180	19.19.8	C	3 12 „
12	23.816	19.21	84.6	42·76	85.9	.0419	.8186	19.19.6	C	4 12 „
13	24.776	19.11	84.3	42.97	85.8	.0402	.8209	19·20.8	N	5 12 „
14	26.149	19·16	84.2	42·99	85.3	.0427	.8211	19.20.5	N	6 12 „
15	25.737	19.52	84.7	42.78	85.7	.0469	.8188	19.19.1	N	7 12 „
16	25.150	19.69	85.2	42.78	86.0	.0497	.8188	19.18.7	N	8 12 „
17	23.884	19.93	86.0	42.65	86.5	.0536	.8174	19.17.6	C	9 12 „
18	22.991	20.02	86·9	42.58	87.1	.0551	.8166	19.17.1	C	10 12 „
19	22.168	19.96	87.4	42.49	87.6	.0541	·8156	19.17.0	C	11 12 „
20	21.415	19.96	87.8	42.51	88.0	.0541	.8158	19.17·1	C	Noon.
21	21.895	19.98	88.2	42.51	88.5	.0544	.8158	19.17.1	B	1 12 p. m.
22	22.101	19.99	88.3	42.72	89·0	.0546	·8181	19.17.7	B	2 12 „
23	22.649	19.80	88.6	42.64	89.5	.0515	.8172	19.17.7	B	3 12 „

On the 11th, at about 19h. 30m., Deflection Observations were taken.

DAILY OBSERVATIONS, FROM 13TH TO 15TH MAY 1860.

DATE. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1860.
h.										h. m.
MAY 13TH-Noon.	23·473	19.65	88·3	42.58	89·4	8.0490	2.8166	19°17·9	M	4 12 p. m.
1	24.021	19.52	87.4	42.59	89.0	.0469	.8167	19.18.3	M	5 12 ,,
2	23.746	19.43	86.7	42.64	88.5	.0455	·8172	19.18.5	M	6 12 ,,
3	23·198	19.32	86.3	42.72	87.3	.0436	·8181	19.19.2	M	7 12 ,,
4	23.540	19.46	85.9	42.75	87.1	.0460	.8185	19.19.1	M	8 12 ,,
5	23.540	19.23	85.5	42.72	86.6	.0422	.8181	19.19.4	B	9 12 ,,
6	23.540	19·30	85.5	42.78	86.6	.0433	.8188	19.19.6	B	10 12 ,,
7	23.816	19·37	85.5	42.84	86.4	.0445	.8194	19.19.1	B	11 12 ,,
8	23.953	19.42	85.3	42.91	86·3	.0453	.8202	19.19.8	B	Midnight.
9	24.021	19.41	85.1	42.83	86.1	.0452	.8193	19·19.5	C	1 12 a. m.
10	23.677	19.49	85.0	42.86	86.1	.0465	.8197	19.19.5	C	2 12 ,,
11	23.816	19.43	84.6	42.92	85·8	.0455	.8203	19·19.8	C	3 12 ,,
12	23.884	19.36	84.4	42.97	85.5	.0443	.8209	19.20.3	C	4 12 ,,
13	24.226	19.47	84.2	43.16	85·4	.0462	.8230	19·20.9	N	5 12 ,,
14	25.669	19.52	84.0	43.28	85.0	.0469	.8243	·19.21.3	N	6 12 ,,
15	26.972	19.77	84.3	43.34	85.2	.0511	.8249	19.21.0	B	7 12 ,,
16	26.355	20.03	85.0	42.95	86.0	.0553	.8207	19.19.8	N	8 12 ,,
17	24.639	20.53	86.2	42.55	86.8	.0635	.8163	19.15.9	N	9 12 ,,
18	23.198	20.91	87.6	42.44	87.3	.0697	.8150	19.14.7	B	10 12 ,,
19	21.276	20.85	88.0	42.39	88.0	.0687	.8145	19.14.6	B	11 12 ,,
20	20.933	20.50	88.3	42.37	88.4	.0630	.8140	19.15.3	B	Noon.
21	21.071	20.34	88.6	42.47	89.0	.0604	.8154	19.16.1	C	1 12 p. m.
22	21.619	20.22	89.0	42.59	89.5	.0584	.8167	19.16.9	C	2 12 ,,
23	22.237	20.11	89.0	42.80	90·0	.0566	.8190	19.17.9	C	3 12 ,,
MAY 14TH-Noon.	23.404	19.79	88.7	42.98	90.0	.0514	.8210	19.19.5	C	4 12 ,,
1	24.021	19.48	88.1	42.82	89.9	.0463	·8192	19.19.3	N	5 12 ,,
2	23.404	19·48	87.3	42.68	89.2	.0463	.8177	19.18.8	N	6 12 ,,
3	23.060	19.44	86.9	42.55	88.6	.0457	.8163	19.18.2	N	7 12 ,,
4	22.854	19.50	86.6	42.54	88.0	.0466	.8161	19·18.0	N	8 12 ,,
5	23.267	19.41	86.1	42.58	87.6	.0452	.8166	19.18.4	B	9 12 ,,
6	23.540	19.40	86.0	42.81	87.0	.0450	.8191	19.19.4	B	10 12 ,,
7	23.860	19.34	85.5	42.80	86.6	.0440	·8190	19.19.6	B	11 12 ,,
8	23.884	19.38	85.2	42.78	86.5	.0445	.8188	19.19.3	B	Midnight.
9	23.540	19.51	85.0	42.84	86.2	.0468	.8194	19.19.8	C	1 12 a. m.
10	23.473	19.55	84·9	42.93	86.1	.0474	.8204	19.19.7	C	2 12 ,,
11	23.060	19.66	84.8	42.93	86·0	.0492	.8204	19.19.4	C	3 12 ,,
12	23.335	19.58	84.6	42.98	86.0	.0479	.8210	19.19.9	C	4 12 ,,
13	23.473	19.69	84.7	43.07	85.8	.0492	.8220	19.20.1	N	5 12 ,,
14	25.120	19.75	84.6	43.37	85.7	.0507	.8253	19.21.2	N	6 12 ,,
15	26.629	19.86	84.8	43.45	85.7	.0525	.8262	19.21.1	N	7 12 ,,
16	26.766	20.11	85.5	43.18	86.1	.0566	·8232	19.19.5	N	8 12 ,,
17	25.532	20.49	86.3	42.75	86.6	.0629	.8185	19.16.9	B	9 12 ,,
18	23.473	20.74	87·2	42.42	87.4	.0670	.8148	19·15.0	B	10 12 ,,
19	21.482	20.71	87.6	42.23	87.9	.0665	.8127	19.14.2	B	11 12 ,,
20	19.973	20.78	88.0	42.29	88.3	.0676	.8134	19.14.3	B	Noon.
21	19.493	20.44	88.0	42.26	88.6	.0627	.8131	19.14.8	C	1 12 p. m.
22	19.699	20.12	88·1	42.44	89.0	.0567	·8150	19.16.3	C	2 12 ,,
23	20.865	20.00	88.1	42.64	89.2	.0548	·8172	19.17.3	C	3 12 ,,
MAY 15TH-Noon.	21.071	19.89	88.0	42.73	89.5	.0530	.8182	19.18·0	C	4 12 ,,
1	22.854	19.88	88.1	43.29	89.6	.0528	.8244	19.20.6	N	5 12 ,,
2	23.746	19.61	87.3	43.29	89·0	.0484	.8244	19.21.2	N	6 12 ,,
3	23.335	19.60	86.6	42.86	88.6	.0482	.8197	19.19.4	N	7 12 ,,
4	23.473	19.52	86.0	43.07	87.3	.0469	·8220	19.20.4	N	8 12 ,,
5	23.746	19.54	86·7	43·13	87.2	.0473	.8223	19.20.5	B	9 12 ,,
6	23·816	19.49	86.3	43.16	86.5	.0465	.8230	19.20.8	B	10 12 ,,
7	23.746	19.52	85.1	43.17	86.3	.0469	.8231	19.20·8	B	11 12 ,,
8	23.540	19.53	84.9	43.09	86·2	.0471	.8222	19.20.4	B	Midnight.
9	23.953	19.49	84.7	43.13	86.0	.0465	.8226	19.20.6	C	1 12 a. m.
10	23.609	19.49	84.4	42.96	85.9	.0465	.8208	19.19.9	C	2 12 ,,
11	23.746	19.49	84.1	42.96	85.4	.0465	.8208	19.19.9	C	3 12 ,,

On the 14th, at about 18h. 30m., Dip as obtained by Observation was 19°09'4.

DAILY OBSERVATIONS, FROM 15TH TO 17TH MAY 1860.

Date. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1860.
h.										h. m.
May 15th—12	23°884	19.49	84°0	43.00	85°2	8.0465	2.8212	19°20'0	C	4 12 a. m.
13	23.677	19.54	84.0	42.85	85.0	.0473	.8196	19.19.4	N	5 12 „
14	24.846	19.62	84.0	42.89	85.0	.0885	.8200	19.19.3	M	6 12 „
15	26.698	19.97	84.5	43.04	85.2	.0543	.8216	19.19.3	N	7 12 „
16	26.698	20.47	85.1	42.72	85.6	.0626	.8181	19.16.7	N	8 12 „
17	26.012	20.81	86.2	42.31	86.3	.0681	.8136	19.14.4	B	9 12 „
18	24.226	21.11	86.6	42.00	86.8	.0730	.8102	19.12.3	B	10 12 „
19	22.649	21.04	87.5	41.88	87.5	.0719	.8089	19.11.9	B	11 12 „
20	20.798	20.95	88.0	41.90	88.2	.0703	.8091	19.12.3	B	Noon.
21	20.179	20.72	88.4	42.11	88.8	.0666	.8114	19.13.6	C	1 12 p. m.
22	20.522	20.57	88.7	42.42	89.1	.0642	.8148	19.15.4	C	2 12 „
23	21.139	20.39	88.9	42.57	89.7	.0612	.8165	19.16.4	C	3 12 „
May 16th-Noon.	22.444	20.18	88.8	42.78	89.9	.0577	.8188	19.17.7	C	4 12 „
1	23.060	19.97	88.1	42.59	89.8	.0543	.8167	19.17.4	G	5 12 „
2	23.404	19.79	87.2	42.60	89.2	.0511	.8168	19.17.8	G	6 12 „
3	23.130	19.69	86.8	42.55	88.4	.0497	.8163	19.17.7	G	7 12 „
4	23.404	19.70	86.4	42.64	88.0	.0499	.8172	19.18.0	G	8 12 „
5	23.404	19.71	86.0	42.68	87.5	.0501	.8177	19.18.3	B	9 12 „
6	23.267	19.79	85.8	42.70	87.2	.0514	.8179	19.18.2	B	10 12 „
7	23.404	19.68	85.6	42.75	86.8	.0495	.8185	19.18.6	B	11 12 „
8	23.540	19.67	85.5	42.78	86.5	.0494	.8188	19.18.8	B	Midnight.
9	23.540	19.74	85.3	42.87	86.3	.0506	.8198	19.19.0	C	1 12 a. m.
10	23.953	19.57	85.2	42.93	86.2	.0478	.8204	19.19.6	C	2 12 „
11	23.540	19.62	85.0	42.68	86.0	.0485	.8177	19.18.4	C	3 12 „
12	23.677	19.66	84.8	42.72	85.5	.0492	.8181	19.18.5	C	4 12 „
13	23.816	19.59	84.4	42.63	85.1	.0481	.8171	19.18.3	G	5 12 „
14	25.463	19.67	84.5	43.00	85.0	.0494	.8212	19.19.7	G	6 12 „
15	26.149	20.06	84.8	42.96	85.3	.0558	.8207	19.18.7	G	7 12 „
16	26.561	20.65	85.6	42.68	85.9	.0654	.8177	19.16.3	G	8 12 „
17	25.600	21.16	86.6	42.31	86.4	.0738	.8136	19.13.7	B	9 12 „
18	23.816	21.55	87.3	42.17	87.2	.0802	.8121	19.12.2	B	10 12 „
19	21.688	21.59	88.2	42.24	87.9	.0809	.8128	19.12.4	B	11 12 „
20	21.619	21.42	89.0	42.46	88.6	.0781	.8153	19.13.8	B	Noon.
21	21.071	21.30	89.6	42.54	89.5	.0761	.8161	19.14.2	C	1 12 p. m.
22	21.758	20.83	89.6	42.78	90.0	.0684	.8188	19.16.4	C	2 12 „
23	22.444	20.52	89.7	42.81	90.3	.0633	.8191	19.17.1	C	3 12 „
May 17th-Noon.	22.991	20.12	89.4	42.74	90.4	.0567	.8183	19.17.6	C	4 12 „
1	23.060	19.63	88.7	42.63	90.0	.0487	.8171	19.18.1	G	5 12 „
2	23.130	19.61	87.7	42.54	89.5	.0484	.8161	19.17.9	G	6 12 „
3	22.787	19.48	87.3	42.56	88.8	.0463	.8164	19.18.2	G	7 12 „
4	23.060	19.59	87.1	42.59	88.2	.0481	.8167	19.18.2	G	8 12 „
5	23.267	19.65	86.6	42.65	88.2	.0490	.8174	19.18.2	B	9 12 „
6	23.404	19.61	86.3	42.53	87.6	.0484	.8160	19.17.9	B	10 12 „
7	23.953	19.47	86.1	42.64	87.2	.0462	.8172	19.18.5	B	11 12 „
8	24.090	19.63	86.1	42.60	86.8	.0487	.8168	19.18.0	B	Midnight.
9	24.090	19.66	85.9	42.66	86.7	.0492	.8175	19.18.3	C	1 12 a. m.
10	24.021	19.60	85.8	42.49	86.3	.0482	.8156	19.17.8	C	2 12 „
11	23.473	19.74	85.5	42.49	86.1	.0506	.8156	19.17.4	C	3 12 „
12	23.267	19.78	85.2	42.54	85.9	.0512	.8161	19.17.5	C	4 12 „
13	23.953	19.91	85.2	42.82	85.7	.0533	.8192	19.18.4	G	5 12 „
14	25.806	19.98	85.1	43.00	85.8	.0544	.8212	19.19.1	G	6 12 „
15	27.041	19.99	85.5	42.93	85.9	.0546	.8203	19.19.6	G	7 12 „
16	26.149	20.16	86.2	42.44	86.2	.0574	.8150	19.16.4	G	8 12 „
17	24.159	20.55	86.8	42.15	86.8	.0638	.8119	19.14.2	B	9 12 „
18	22.032	20.76	87.6	41.98	87.5	.0673	.8100	19.13.1	B	10 12 „
19	20.865	20.83	88.3	42.20	88.4	.0684	.8124	19.13.9	B	11 12 „
20	20.796	20.92	89.0	42.49	88.9	.0698	.8156	19.14.9	B	Noon.
21	21.619	20.94	89.4	42.76	89.4	.0701	.8186	19.16.0	C	1 12 p. m.
22	22.305	20.71	89.3	42.70	89.9	.0665	.8179	19.16.1	C	2 12 „
23	23.130	20.43	89.1	42.65	90.0	.0619	.8174	19.16.5	C	3 12 „

On the 17th, at about 18h., Dip as obtained by Observation was 19°10'0.

DAILY OBSERVATIONS, FROM 18TH TO 21ST MAY 1860.

DATE. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1860.
h.										h. m.
MAY 18TH-Noon.	23°953	20.23	89°0	42.70	90°0	8.0586	2.8179	19°17′1	C	4 12 p. m.
1	23.884	20·14	88.5	42.73	90.0	.0571	.8182	19.17.5	G	5 12 „
2	24.021	19.82	87.6	42.68	89.2	.0518	.8177	19.18.0	G	6 12 „
3	23.198	19.17	87.0	42.56	88.6	.0499	.8164	19.17.7	G	7 12 „
4	23·473	19.80	86.6	42.63	88.2	.0515	.8171	19.17.7	G	8 12 „
5	23.335	19.64	86.4	42.66	87·9	.0489	.8175	19.18.3	B	9 12 „
6	23.198	19.63	86.2	42.62	87.3	.0487	.8170	19.18.1	B	10 12 „
7	23.473	19.52	85.9	42.69	86.9	.0469	.8179	19.18.7	B	11 12 „
8	23·473	19.76	85.6	42.75	86.5	.0509	.8185	19.18.5	B	Midnight.
9	23.540	19.82	85.4	42.74	86.3	.0518	·8183	19.18.2	C	1 12 a. m.
10	23.384	19.67	85.1	42.77	86.1	.0494	.8187	19.18.8	C	2 12 „
11	23.953	19.65	85.0	42.84	86.0	.0488	.8194	19.19.0	C	3 12 „
12	24.090	19.60	84.9	42.96	85.9	.0482	.8208	19.19.8	C	4 12 „
13	24.432	19.76	84.8	43.07	85.7	.0509	.8220	19.19.9	G	5 12 „
14	26.904	19.75	84.8	43.35	85.6	.0507	.8251	19.21.1	G	6 12 „
15	28.207	19.79	85.3	43.12	85.7	.0514	·8225	19.20.1	G	7 12 „
16	28.070	19.77	85.8	42.78	86.0	.0511	.8188	19.18.6	G	8 12 „
17	26.012	20.07	86.5	42.35	86.5	.0560	.8141	19.16.1	B	9 12 „
18	23·677	20.61	87.3	42.12	87.2	.0648	.8115	19.13.9	B	10 12 „
19	21.895	20.71	87.8	42.23	87.8	.0665	.8127	19.14.2	B	11 12 „
20	21.415	20.72	88.0	42·35	88·2	.0666	.8141	19.14.7	B	Noon.
21	22.168	20.67	88.3	42.86	88.7	.0658	.8197	19.17.0	C	1 12 p. m.
22	22.101	20.47	88.4	43·17	89.0	.0626	.8231	19.18.7	C	2 12 „
23	22.512	20.11	88.5	43.18	89.2	.0566	.8232	19·19.5	C	3 12 „
MAY 20TH-Noon.	23.060	20.10	88·3	43·31	88.5	.0564	.8246	19.20.2	G	4 12 „
1	23.953	19.66	87.0	43.34	88.0	.0492	.8249	19.21.2	G	5 12 „
2	24.776	19·67	86.5	43.34	88.0	.0494	.8249	19.21.2	G	6 12 „
3	24.363	19.53	86·1	43.22	87.2	.0471	.8236	19.21.0	G	7 12 „
4	24.159	19.31	86.0	43.24	87.1	·0435	.8238	19.21.5	G	8 12 „
5	24.226	19.13	86.0	43.26	87.0	.0405	·8241	19.22.0	B	9 12 „
6	24.090	19.12	85·9	43.36	86.9	.0403	.8252	19.22.5	B	10 12 „
7	23.198	19.23	85.3	43.30	86.5	.0422	·8245	19.22.0	B	11 12 „
8	23,198	19.39	85.1	43.29	86.2	·0448	.8244	19.21.5	B	Midnight.
9	23.198	19.41	85.0	43.33	86.1	·0452	.8248	19.21.7	C	1 12 a. m.
10	23.473	19.47	84.9	43.38	86.0	.0462	.8254	19.21.8	C	2 12 „
11	23.677	19.48	84.9	43.41	86.0	.0463	.8257	19.22·0	C	3 12 „
12	23.746	19.46	84.8	43.47	85.8	.0460	.8264	19.22.1	C	4 12 „
13	24.502	19.56	84.9	43.57	85.8	·0476	.8275	19.22.4	G	5 12 „
14	26.355	19.51	84.9	43.87	85.7	.0468	.8308	19.23.8	G	6 12 „
15	27.452	19.82	84.9	43.57	85.5	.0518	.8275	19.21.8	G	7 12 „
16	26.355	20.34	85·1	43.01	86.0	.0604	.8213	19.18.4	G	8 12 „
17	24.159	20.82	85.5	42.64	86.3	.0682	.8172	19.15.7	B	9 12 „
18	21.826	21.32	86.3	42.72	86.6	·0764	.8181	19.15.0	B	10 12 „
19	20.042	21.37	87.0	42.62	87.3	·0773	.8170	19.14.5	B	11 12 „
20	19.699	21.15	87.5	42.93	87.5	.0736	.8204	19.16.2	B	Noon.
21	19.973	20.68	87.7	43.14	88.0	.0659	·8227	19.18.2	C	1 12 p. m.
22	21.482	20.29	87.8	43.44	88.5	.0596	.8260	19.20.2	C	2 12 „
23	22.787	20.03	87.7	43·51	88.5	.0553	.8268	19.21.1	C	3 12 „
MAY 21ST-Noon.	23.540	19.81	87.2	43.42	88.2	.0517	.8258	19.21.2	C	4 12 „
1	24.159	19.67	87.0	43.25	88.3	.0494	.8240	19.20.9	N	5 12 „
2	24.363	19.51	85.9	43.13	87.5	.0468	.8226	19.20.6	N	6 12 „
3	23.335	19.53	85.6	43.11	87.0	·0471	.8224	19.20.5	N	7 12 „
4	23.404	19.48	85.5	43.21	86.9	.0463	.8235	19·21.1	N	8 12 „
5	23.609	19.49	85.2	43.30	86.5	.0465	.8245	19.21.4	B	9 12 „
6	23.335	19.52	85.2	43.19	86.4	.0469	·8233	19.20.9	B	10 12 „
7	23.267	19.46	85.2	43.29	86·3	.0460	.8244	19.21.4	B	11 12 „
8	23.609	19.62	85.1	43.38	86.1	·0485	.8254	19.21.4	B	Midnight.
9	23.540	19.60	85.0	43·38	86.0	·0482	.8254	19.21.6	C	1 12 a.m.
10	23·540	19.58	84.9	43.38	86.0	.0479	.8254	19.21.6	C	2 12 „
11	23.473	19.60	84.7	43.58	86.0	.0482	.8276	19.22.4	C	3 12 „

DAILY OBSERVATIONS, FROM 21ST TO 24TH MAY 1860.

DATE. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1860.
h.										h. m.
MAY 21ST—12	23·609	19.54	84°3	43.76	85°9	8.0473	2.8296	19°23'3	C	4 12 a. m.
13	23.746	19.61	84.3	43.80	85.6	.0484	.8300	19·23.4	N	5 12 ,,
14	24.776	19.55	84.3	43.88	85·0	.0474	.8309	19.23.8	N	6 12 ,,
15	25.600	19.62	84.5	43.93	85.2	.0485	.8314	19.23.7	N	7 12 ,,
16	25.737	19.96	84·9	43.73	85.5	.0541	.8292	19.22.2	N	8 12 ,,
17	24.846	20.25	85.0	43.22	86.8	.0589	.8236	19.19.4	B	9 12 ,,
18	23.130	20.62	86.0	42.88	86.5	·0649	.8199	19.17.1	B	10 12 ,,
19	21.619	20.77	86.0	42.75	86.5	.0675	.8185	19.16.3	B	11 12 ,,
20	21.345	20.75	86.0	42.86	86.5	.0671	.8197	19.16.9	B	Noon.
21	21.071	20.65	85.9	43.11	86.5	.0651	.8224	19.18.1	C	1 12 p. m.
22	21.758	20.53	86.4	43.40	87.0	.0635	.8256	19.19.6	C	2 12 ,,
23	22.787	20.25	86.9	43.47	87.5	.0589	.8264	19.21.4	C	3 12 ,,
MAY 22ND—Noon.	23.884	19.95	86.9	43.53	87.6	.0539	.8270	19.21.4	C	4 12 ,,
1	23.884	19.80	86.7	43.51	87.8	.0515	·8268	19.21.5	N	5 12 ,,
2	24.159	19.71	86.0	43.45	87.3	.0501	.8262	19.21.5	N	6 12 ,,
3	23.198	19.78	85.5	43.41	87.0	.0512	.8257	19.21.4	N	7 12 ,,
4	22.991	19.64	85.2	43.40	86.5	.0489	.8256	19.21.5	N	8 12 ,,
5	22.923	19.69	85.1	43.49	86.4	.0497	.8266	19.21.7	B	9 12 ,,
6	23.267	19.78	85.0	43.49	86.4	.0512	.8266	19.21.7	B	10 12 ,,
7	22.444	20.14	84.8	43·51	86.1	.0571	.8268	19·20.9	B	11 12 ,,
8	23.335	19.95	84.5	43.62	85.7	.0539	·8280	19.21.8	B	Midnight.
9	23.060	19.84	84.4	43.57	85.5	.0522	.8275	19.21.8	C	1 12 a. m.
10	23.540	19.64	84·1	43.64	85.5	.0489	.8282	19.22.4	C	2 12 ,,
11	23.060	19.72	84.0	43.52	85.5	.0502	.8267	19.21.8	C	3 12 ,,
12	22.991	19.39	83.8	43.82	85.1	.0448	.8302	19.23.7	C	4 12 ,,
13	23.540	19.46	83.6	43.89	84.5	.0460	.8310	19.24.0	N	5 12 ,,
14	24.363	19.71	83.3	44.03	84.3	.0501	.8325	19.24.1	N	6 12 ,,
15	25.532	20.01	83.8	44 12	84.5	.0550	.8335	19.23.8	N	7 12 ,,
16	25.463	20.36	84.7	44.00	85.1	.0607	.8322	19.22.5	N	8 12 ,,
17	24.570	20.78	85.2	43.67	85.8	.0676	.8286	19·20.2	B	9 12 ,,
18	22.854	21.02	85.9	43·44	86.3	.0715	.8260	19.18.6	B	10 12 ,,
19	22.033	21.21	86.3	43.36	86.9	.0747	.8252	19.17.9	B	11 12 ,,
20	21.758	21.32	86.9	43.32	87.3	.0764	.8247	19.17.7	B	Noon.
21	21.758	21.22	87.2	43.45	87.6	.0748	.8262	19.18.2	C	1 12 p. m.
22	22.374	20.97	87.7	43.61	88.0	.0707	.8279	19.19.5	C	2 12 ,,
23	24.090	20.59	87.6	43.85	88.2	.0645	.8306	19.21.3	C	3 12 ,,
MAY 24TH—Noon.	22.787	19.51	89.0	43.58	90.1	.0468	.8276	19.22.5	G	4 12 ,,
1	22.991	19.17	88.7	43.50	90.0	.0412	·8267	19.23.0	G	5 12 ,,
2	23.540	19.01	87.7	43.44	89.5	.0386	·8260	19.22.9	G	6 12 ,,
3	23.884	18.68	87.0	43.46	88.8	.0331	.8260	19.23.8	G	7 12 ,,
4	24.502	18.41	86.6	43.62	88.3	.0288	.8280	19.25.0	G	8 12 ,,
5	24.502	18.99	86.4	43.59	87.9	.0382	.8277	19.23.8	B	9 12 ,,
6	24.707	18.67	86.2	43.63	87·5	.0330	.8281	19.24.5	B	10 12 ,,
7	24.226	18.53	86.0	43.59	87.5	.0307	.8273	19.24.5	B	11 12 ,,
8	24.502	18.44	85.6	43.43	87.1	.0393	.8259	19.24.2	B	Midnight.
9	24.432	18.45	85·0	43.65	86.6	.0394	.8284	19 23.8	N	1 12 a. m.
10	23.884	18.68	85.0	43.64	86.4	.0331	.8282	19.24.5	N	2 12 ,,
11	22.444	18.96	84.7	43.53	86.0	.0377	.8270	19.23.5	N	3 12 ,,
12	23.130	18.91	84.4	43.72	85.3	.0369	.8291	19.24.4	N	4 12 ,,
13	23·953	18.89	84.1	43·96	85.4	.0366	.8318	19.25.5	G	5 12 ,,
14	26.218	19·02	84.0	44.05	85.0	.0387	.8328	19.25.6	G	6 12 ,,
15	26.904	19.31	84.5	43.91	85.3	.0455	.8312	19.24.3	G	7 12 ,,
16	26.561	19.62	85.0	43.38	85·9	.0485	.8254	19.21.4	G	8 12 ,,
17	25.189	20.23	86.0	42.94	86.3	.0586	.8205	19.18.2	B	9 12 ,,
18	24.070	20.07	86.5	42.86	87.0	.0560	.8197	19.18.3	B	10 12 ,,
19	22.718	20.66	87.3	42.58	87·5	.0656	.8166	19.15.7	B	11 12 ,,
20	21.826	20.29	88.0	42.64	88.1	.0596	.8172	19.16.7	B	Noon.
21	21.276	20.38	88.5	42.87	89.0	.0610	.8198	19.17.7	N	1 12 p. m.
22	21.208	20.32	89.0	43.09	89.5	.0600	.8222	19.18.7	N	2 12 ,,
23	22.237	20.12	89.0	43.21	89.8	.0567	.8235	19.19.7	N	3 16 ,,

On the 21st, at about 18h. 30m., Dip as obtained by Observation was 19°03'1.
On the 24th, at about 20h. 45m., Dip as obtained by Observation was 19°03'8.

DAILY OBSERVATIONS, FROM 25TH TO 28TH MAY 1860.

Date. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1860.
h.										h. m.
May 25th-Noon.	23·473	19.82	88°8	43·37	90°0	8.0518	2.8253	19°21'0	N	4 12 p. m.
1	23.816	19.69	88.6	43·40	90.0	.0497	.8256	19.21.4	G	5 12 ,,
2	24.159	19.48	87.7	43.28	89.4	.0463	.8234	19.21.0	G	6 12 ,,
3	23·540	19.28	87.2	43.27	88.9	.0430	.8242	19·21.7	G	7 12 ,,
4	23.677	19.46	87.0	43.26	88.6	.0460	.8441	19.21.3	G	8 12 ,,
5	23.267	19.40	86.9	43.34	88.1	.0450	.8240	19.21.4	B	9 12 ,,
6	23.609	19.21	86.7	43.44	87.9	.0419	.8260	19.22.4	B	10 12 ,,
7	23.130	19.29	86.6	43.24	87.9	.0432	.8238	19.21.6	B	11 12 ,,
8	22.854	19.45	86.4	43.25	87.6	.0458	.8240	19.21.3	B	Midnight.
9	23.609	19.50	86.1	43.22	87.2	.0466	·8236	19.21.0	N.	1 12 a. m.
10	23.060	19.81	85.9	43.51	87.0	.0517	.8268	19.21.5	N	2 12 ,,
11	23.609	19.67	85.8	43.60	87.0	.0494	.8278	19.22.3	N	3 12 ,,
12	23.130	19.58	85.7	43.55	86.8	.0479	.8273	19.22.3	N	4 12 ,,
13	23.746	19.58	85.5	43.70	86.8	.0479	.8289	19.22·9	G	5 12 ,,
14	25·600	19.70	85.6	43.95	86.8	.0499	.8317	19.23.8	G	6 12 ,,
15	26.766	19.93	86.0	43.90	86.8	.0536	.8311	19.23.0	G	7 12 ,,
16	26.904	20.25	86.7	43·61	87.0	.0589	.8279	19.21.0	G	8 12 ,,
17	26.149	20.51	87.0	43.33	87.6	.0632	.8248	19.19.4	B	9 12 ,,
18	25·120	20.74	88.1	42.99	88.2	·0670	.8211	19.17.4	B	10 12 ,,
19	23.746	20.82	88.9	42.58	88.6	.0682	.8166	19.15.5	B	11 12 ,,
20	21·619	20.77	89.4	42.67	89.2	.0675	.8176	19.16.0	B	Noon.
21	21.963	20.67	89.8	43.01	89.5	.0658	.8213	19.17.6	N	1 12 p. m.
22	22·374	20.42	90.0	43.12	90.1	·0617	.8225	19.18.6	N	2 12 ,,
23	22.130	20.20	90.3	43.36	90.3	.0581	.8252	19.20.2	N	3 12 ,,
May 26th-Noon.	23.816	19.96	90·3	43.32	90.8	.0541	.8247	19·20.6	G	4 12 ,,
1	24.570	19.50	90.0	43.33	91.0	.0466	.8248	19.21.5	N	5 12 ,,
2	23.884	19.69	89.1	43.02	90.5	.0497	.8214	19.19.7	N	6 12 ,,
3	22.923	19.70	88.3	43.00	90.0	.0499	.8212	19.19.6	N	7 12 ,,
4	22.649	19.68	87.9	43·09	89.5	.0489	.8222	19.20.1	N	8 12 ,,
5	22.718	19.69	87.5	43.11	89.1	.0497	.8224	19.20.1	B	9 12 ,,
6	22.854	19.80	87.3	43.24	88.7	.0515	.8238	19·20.4	B	10 12 ,,
7	22.991	19.82	87.2	43.55	88.4	.0518	.8273	19.21.7	B	11 12 ,,
8	23.198	19.81	87.0	43.40	88.3	.0517	.8256	19.21.1	B	Midnight.
9	23.198	19.85	86.8	43.42	88.0	.0523	.8258	19.21.2	G	1 12 a. m.
10	23.609	19.80	86.5	43.40	87.7	.0515	.8256	19·21.1	G	2 12 ,,
11	23.267	19.75	86.3	43.48	87.5	.0507	.8265	19.21.6	G	3 12 ,,
12	23·060	19.77	86.1	43.50	87.2	.0511	.8267	19.21.7	G	4 12 ,,
13	23.540	19.77	86.0	43.51	87.0	.0511	.8268	19.21.7	N	5 12 ,,
14	24.159	19 68	86·0	43.57	86.9	.0495	.8275	19.22.1	N	6 12 ,,
15	24.707	19.95	86.4	43.61	87.0	.0539	.8279	19.21.7	N	7 12 ,,
16	25.257	20.20	86.9	43.64	87.3	.0581	·8282	19.21.3	N	8 12 ,,
17	25.394	20.63	87.6	43.45	87·8	.0651	.8262	19.19.5	B	9 12 ,,
18	24.502	20.96	88.4	43.04	88.2	.0705	.8216	19·17.1	B	10 12 ,,
19	22.374	21.14	89.0	42.73	89·2	.0735	.8182	19.15.3	B	11 12 ,,
20	20.522	20.87	89.5	42.64	89.6	.0691	.8172	19·15.5	B	Noon.
21	20.796	20.73	89.9	42.87	90.0	.0668	.8198	19.16.9	C	1 12 p. m.
22	21.276	20.32	90.0	43.26	90.5	.0600	.8241	19.19.5	C	2 12 ,,
23	22.923	19.90	89.9	43.44	90.7	.0531	·8260	19.21.1	C	3 12 ,,
May 28th-Noon.	22.991	20.41	90.7	42·75	91·8	.0616	.8185	19·17.0	R	4 12 ,,
1	23.816	20·10	90.0	42·75	91.5	.0564	.8185	19.17.8	R	5 12 ,,
2	23.816	19·88	88.8	42.72	90.7	.0528	.8181	19.18.0	R	6 12 ,,
3	23.198	19.69	87.9	42.64	90.0	.0492	.8172	19.18.1	R	7 12 ,,
4	23.404	19.70	87.6	42.68	89.2	.0499	.8177	19.18.3	R	8 12 ,,
5	23.335	19·61	87.2	42·83	89.0	.0484	.8193	19.19.2	B	9 12 ,,
6	24.090	19·64	87.0	42.92	88.6	.0489	.8203	19·19.4	B	10 12 ,,
7	23.816	19.71	87.0	42.93	88.4	.0501	.8204	19.19.3	B	11 12 ,,
8	23.816	19.81	87·0	42.93	88.3	.0517	.8204	19.19.0	B	Midnight.
9	23.609	19.84	87.0	42.99	88.2	.0522	·8211	19.19.3	C	1 12 a. m.
10	23.609	19.82	86.8	42·99	88.0	·0518	.8211	19.19.3	C	2 12 ,,
11	23.473	19.72	86.2	43.03	87.6	.0502	.8215	19.19.8	C	3 12 ,,

On the 25th, at about 20h., Deflection Observations were taken.

DAILY OBSERVATIONS, FROM 28TH TO 30TH MAY 1860.

Date. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1860.
h.										h. m.
May 28th—12	23·609	19.83	86·0	43.08	87·5	8.0520	2·8216	19°19'5	C	4 12 a. m.
13	24.502	19.86	85.9	43.22	87.3	.0525	.8236	19.20.2	R	5 12 ,,
14	26.012	19.88	85.8	43.08	87.2	.0528	.8221	19.19.6	R	6 12 ,,
15	26.423	20.31	86.4	43.02	87.3	.0599	.8214	19·18.4	R	7 12 ,,
16	26.218	20.54	86.6	42.84	87.4	·0637	.8194	19.17.1	R	8 12 ,,
17	25·051	21.17	87.5	42.49	87.9	.0740	.8156	19.14.4	B	9 12 ,,
18	23.884	21.36	88.2	42.41	88.5	.0771	.8147	19.13.7	B	10 12 ,,
19	22.718	21.64	89.1	42.17	89.0	.0817	.8121	19.11.9	B	11 12 ,,
20	20.953	21.30	89.5	42.24	89.6	.0761	.8128	19.13.0	B	Noon.
21	21.208	21.27	90.0	42.42	90.0	.0757	·8148	19.13.8	C	1 12 p. m.
22	21.895	21·00	90.0	42.62	90.5	.0712	.8170	19.15.3	C	2 12 ,,
23	22.991	20.55	90.0	42.63	91.0	.0638	.8171	19.16.2	C	3 12 ,,
May 29th-Noon.	23.609	20.33	90.0	42.61	91.0	.0602	.8169	19.16.6	C	4 12 ,,
1	23.540	20·08	89.7	42.53	91.0	.0561	.8160	19.16.8	R	5 12 ,,
2	23.473	19.94	89.0	42.52	90.5	.0538	.8159	19.17.1	R	6 12 ,,
3	22.787	19.83	88.2	42.52	90.0	·0520	.8159	19.17.3	R	7 12 ,,
4	23.196	19.86	87.7	42.59	89.5	.0525	.8167	19.17.5	R	8 12 ,,
5	23.060	19.81	87.4	42.58	89.2	.0517	.8166	19.17.5	B	9 12 ,,
6	23.335	19.83	87.2	42.56	88.6	.0520	.8164	19·17.4	B	10 12 ,,
7	23.473	19.93	87.1	42.61	88.5	.0536	.8169	19·17.4	B	11 12 ,,
8	23.473	19.91	87.0	42.67	88.3	.0533	.8176	19.17.8	B	Midnight.
9	23.677	19.93	86.6	42.74	88.0	.0536	.8183	19.18.0	C	1 12 a. m.
10	23.540	19.86	86.2	42.75	87.6	.0525	.8185	19.18.2	C	2 12 ,,
11	23.816	19.83	86.0	42.82	87.4	.0520	.8192	19.18.5	C	3 12 ,,
12	24.159	19.90	86.0	42.82	87.4	.0531	.8192	19.18.4	C	4 12 ,,
13	24.502	20.13	86.0	42.97	87.4	.0569	.8209	19.18·6	R	5 12 ,,
14	26.423	19.90	85.7	43.14	87.0	.0531	.8227	19·19·9	R	6 12 ,,
15	26.835	20.37	86.0	43.02	87.3	.0609	.8214	19.18.3	R	7 12 ,,
16	26.080	20.81	87.0	42.73	87.3	.0681	.8182	19.16.1	R	8 12 ,,
17	24.846	21.07	87.9	42.49	88.1	.0724	.8156	19.14.6	B	9 12 ,,
18	23.198	21.25	88.5	42.31	88·5	.0755	.8136	19.13.3	B	10 12 ,,
19	21·619	21.29	89.3	42.03	89.3	.0765	.8105	19.12.0	B	11 12 ,,
20	20.042	21.22	89.6	42.04	89.6	.0748	.8106	19.12.2	B	Noon.
21	20.522	21.15	90.0	42.15	90.0	.0736	.8119	19.12.9	C	1 12 p. m.
22	21.345	20.78	90.1	42.36	90.6	.0676	.8140	19.14.6	C	2 12 ,,
23	22.512	20.56	90.3	42.55	91.0	.0640	.8163	19.15.9	C	3 12 ,,
May 30th-Noon.	22.991	20.34	90.2	42.59	91.2	.0604	.8167	19.16.6	C	4 12 ,,
1	23.677	20.25	89.8	42.66	91.3	.0589	.8175	19·17.0	R	5 12 ,,
2	23.540	20.19	89.0	42.58	90.9	.0579	.8166	19.16.9	R	6 12 ,,
3	22.649	20.15	88.6	42.61	90.3	.0572	.8169	19.17.0	R	7 12 ,,
4	22.923	20.07	88.0	42.64	89.6	.0560	.8172	19.17.2	R	8 12 ,,
5	23.746	19.99	87.7	42.63	89·2	.0546	.8171	19.17.3	B	9 12 ,,
6	23.746	20.10	87.5	42.72	89.0	.0564	.8181	19.17.6	B	10 12 ,,
7	24.021	20.18	87.5	42.74	88.8	.0577	.8183	19.17.5	B	11 12 ,,
8	23.953	20.22	87.5	42.78	88.5	.0584	.8188	19.17.7	B	Midnight.
9	24.090	20.26	87.3	42.80	88.4	·0591	.8190	19.17.6	C	1 12 a. m.
10	24·432	20.21	87.0	42.78	88·2	.0583	·8188	19.17.7	C	2 12 ,,
11	24.432	20.19	86.9	42.91	88.0	.0579	.8202	19.18·2	C	3 12 ,,
12	24.502	20.29	86.9	42.89	87.9	.0596	.8200	19.17.9	C	4 12 ,,
13	25.051	20.32	86.7	43.01	87.7	.0600	.8213	19·18.4	R	5 12 ,,
14	25.875	20.29	86.6	42.55	87.5	·0596	.8163	19.16.4	R	6 12 ,,
15	26.972	20.60	87.0	42.53	87.5	.0646	.8160	19.15.6	R	7 12 ,,
16	26.286	20.81	87.6	42.34	88.0	.0681	.8139	19.14.5	R	8 12 ,,
17	24.570	21.20	88.3	42.07	88.2	.0745	.8110	19.12.4	B	9 12 ,,
18	22.854	21.48	89.3	41.87	89.1	.0791	.8088	19.11.0	B	10 12 ,,
19	21.826	21.57	90.1	41.84	89.6	.0806	.8084	19.10.6	B	11 12 ,,
20	21.276	21.51	90.6	42.02	90·1	.0796	.8104	19.11.5	B	Noon.
21	21.826	21.37	90.9	42.07	90.6	.0773	.8110	19.12.2	C	1 12 p. m.
22	22.718	21.23	91.3	42.08	91.1	.0750	.8111	19.12.4	C	2 12 ,,
23	23.746	20.95	91.7	42.10	91.6	.0703	.8113	19.13.2	C	3 12 ,,

DAILY OBSERVATIONS, FROM 31ST MAY TO 3RD JUNE 1860.

DATE. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1860.
h.										h. m.
MAY 31ST-Noon.	24·226	20.57	91·4	42.11	91·9	8.0642	2.8114	19°14·0	C	4 12 p. m.
1	24.295	20.38	91.0	42.05	91.7	·0610	.8108	19.14.2	R	5 12 ,,
2	24.502	20.22	90.5	42.04	91.3	.0584	.8106	19.14.5	R	6 12 ,,
3	24.363	20.02	89.6	42.07	90.6	.0551	.8110	19.15.0	R	7 12 ,,
4	23.746	20.00	89.0	42.08	90·0	.0548	.8111	19.15.0	R	8 12 ,,
5	24.090	19.93	88.5	42.13	89.5	.0536	.8116	19.15.4	B	9 12 ,,
6	23.746	19.91	88.5	42.08	89.2	.0533	.8111	19.15.3	B	10 12 ,,
7	23.953	20.04	88.4	42.12	89.1	·0555	.8115	19·15.1	B	11 12 ,,
8	23.953	20.10	88.2	42.21	88.8	.0564	.8125	19.15.5	B	Midnight.
9	23.816	20.14	88·0	42.18	88·6	.0571	.8122	19.15.2	C	1 12 a. m.
10	23.953	20.13	87.8	42.26	88.5	.0569	.8131	19.15.6	C	2 12 ,,
11	24.226	20.07	87.6	42.35	88.4	.0560	.8141	19.16.1	C	3 12 ,,
12	24.776	20.14	87·3	42.50	88·2	.0571	.8157	19.16.7	C	4 12 ,,
13	24.776	20.03	87.0	42.44	88.1	.0553	.8150	19.16.6	R	5 12 ,,
14	26.012	20.14	87.4	42.76	88.2	·0571	.8186	19.17·7	R	·6 12 ,,
15	27.109	20·40	87.8	42·64	88·2	.0614	.8172	19.16.6	R	7 12 ,,
16	26.698	20.78	88.4	42.46	88.7	·0676	.8153	19.15.1	R	8 12 ,,
17	26.080	21.24	89.3	42.33	89.2	.0752	.8138	19.13·5	B	9 12 ,,
18	24.707	21.31	89.8	42.19	89.5	.0763	.8123	19.12·8	B	10 12 ,,
19	22.718	21.33	90.2	41.94	89·8	.0766	.8095	19.11.6	B	11 12 ,,
20	21.071	21.18	90.7	41.96	90.3	·0741	.8098	19.12.1	B	Noon.
21	21.551	21.04	91.0	42.13	91·0	.0719	.8116	19.13·0	C	1 12 p. m.
22	22.923	20.84	91·5	42.40	91.5	.0686	.8146	19.14.6	C	2 12 ,,
23	24.226	20.64	91.7	42.51	92.0	.0653	.8158	19.15.6	C	3 12 ,,
JUNE 1ST-Noon.	24.639	20.41	91.6	42.36	92.0	.0616	.8142	19.15.3	C	4 12 ,,
1	24.570	20·19	91.0	42.27	92·3	.0579	.8132	19.15.5	R	5 12 ,,
2	24.432	20.10	90.0	42.16	91.9	.0564	·8120	19.15.3	R	6 12 ,,
3	23.609	20.00	89.4	42.23	91.0	.0548	·8127	19.15.7	R	7 12 ,,
4	23.953	19.88	89.0	42.42	90.5	.0528	.8148	19.16.8	R	8 12 ,,
5	24.226	20.02	89.0	42.53	90.3	.0551	.8160	19.16.9	B	9 12 ,,
6	24.502	20.03	88.8	42.52	90.1	.0553	.8159	19.16.9	B	10 12 ,,
7	24.639	19.82	88.6	42.54	89.5	.0518	.8161	19.17.3	B	11 12 ,,
8	24.639	19.73	88.5	42.55	89.4	.0504	.8163	19.17.7	B	Midnight.
9	24.502	19.78	88.3	42.58	89.0	.0512	·8166	19.17.7	C	1 12 a. m.
10	24.226	19.85	88.2	42.42	89.1	.0523	.8148	19.16·9	C	2 12 ,,
11	24.226	19.86	88.0	42.47	89.0	.0525	.8154	19.17.0	C	3 12 ,,
12	24.432	19·97	87.9	42.54	88.9	.0543	.8161	19.17.1	C	4 12 ,,
13	25.189	19.99	87.7	42.66	88.7	.0546	·8175	19.17.5	R	5 12 ,,
14	26.218	20.01	87.7	42.78	88.7	.0550	.8188	19·18.0	R	6 12 ,,
15	26.835	20.16	88.0	42.63	88.8	.0574	.8171	19.17·1	R	7 12 ,,
16	26.149	20.50	88.6	42.40	89.0	.0630	.8146	19.15.4	R	8 12 ,,
17	25.463	20.83	89.4	42.13	89.4	.0684	.8116	19.13.6	B	9 12 ,,
18	23.609	21.05	90.0	41·81	89.6	.0720	.8081	19.11.6	B	10 12 ,,
19	21.551	21.11	90.6	41.56	90.3	.0730	.8054	19.10.5	B	11 12 ,,
20	20.659	20.93	91.0	41.47	90·7	.0700	.8044	19.10.5	B	Noon.
21	20.728	20.82	91.5	41.76	91.4	.0682	.8076	19.12·0	C	1 12 p. m.
22	21.208	20.66	92.0	41.86	92.0	.0656	.8087	19.12.7	C	2 12 ,,
23	22.374	20.54	92·3	41.98	92.6	.0637	.8100	19·13.5	C	3 12 ,,
JUNE 3RD-Noon.	22.854	20.91	91.6	42.36	92.1	.0697	.8142	19.14.3	C	4 12 ,,
1	23.404	20.60	90.3	42.35	91.8	.0646	·8141	19.14.9	C	5 12 ,,
2	23.473	20.50	89.7	42.18	91.0	.0630	.8122	19·14·4	C	6 12 ,,
3	23.198	20.27	89.2	42.24	90.8	.0593	.8128	19.15.2	C	7 12 ,,
4	22.991	20.28	89.0	42.18	90.4	·0594	.8122	19.14·9	C	8·12 ,,
5	23.198	20.35	88.9	42.24	90.0	.0605	.8128	19.15.0	R	9 12 ,,
6	23.540	20.38	88.5	42.30	90.0	.0610	·8135	19.15.3	R	10 12 ,,
7	23.677	20.36	88.3	42·29	89.6	.0607	.8134	19.15.2	R	11 12 ,,
8	23.816	20.26	88.1	42.24	89.4	.0591	.8128	19.15·2	R	Midnight.
9	24.226	20.37	88.1	42.45	89.0	.0609	.8152	19.15.9	B	1 12 a. m.
10	24.226	20.33	87.9	42.46	88.6	.0602	.8153	19.16.1	B	2 12 ,,
11	24.295	20.33	87.7	42.54	88.5	.0602	.8161	19.16.3	B	3 12 ,,

On the 31st, at about 19h., Dip as obtained by Observation was 19°08'1.

On the 1st, at about 19h. 30m., Deflection Observations were taken.

DAILY OBSERVATIONS, FROM 3RD TO 5TH JUNE 1860.

Date. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1860.
h.										h. m.
June 3rd—12	24·639	20.19	87·0	42.50	88·2	8.0579	2.8157	19°16′6	B	4 12 a. m.
13	24.846	20.31	86.8	42.64	88.0	.0599	.8172	19.16.7	C	5 12 „
14	25.463	20.27	86·8	42.83	87.7	.0593	.8193	19.17.7	C	6 12 „
15	27.178	20.68	87.2	42.86	87.9	.0659	.8197	19.17.0	C	7 12 „
16	27.452	20.97	87.8	42.52	88.0	·0707	.8159	19.14.9	C	8 12 „
17	26·218	21.33	88.7	42.06	88.6	.0766	.8109	19.12.1	R	9 12 „
18	23.884	21.66	89·5	41.66	89.2	.0820	.8065	19.09.7	R	10 12 „
19	22.444	21.39	89.9	41.64	89.5	.0776	.8062	19.10.1	R	11 12 „
20	21.139	21.26	90.1	41.80	90.0	.0755	.8080	19·11.1	R	Noon.
21	20.933	21.09	90.2	41.86	90.4	.0727	.8087	19.11.8	B	1 12 p. m.
22	21.139	20.85	90.2	41.82	90.6	.0687	.8082	19·12.0	B	2 12 „
23	21.963	20.73	90.4	42.08	91.1	.0668	.8111	19.13.4	B	3 12 „
June 4th-Noon.	23.198	20.58	90.4	42.29	91.3	.0643	.8134	19.14.8	B	4 12 „
1	24.363	20.26	89.8	42.38	91.2	.0591	.8145	19.15·9	C	5 12 „
2	24.432	20.15	88.9	42.32	90.0	.0572	.8137	19.15.9	C	6 12 „
3	24.677	20.00	88.0	42.16	89.9	.0548	.8120	19.15.4	C	7 12 „
4	24.021	20.09	88·0	42.28	89.2	.0563	.8133	19.15.8	C	8 12 „
5	24.159	20.11	88.0	42.27	89·1	.0566	.8132	19.15.6	N	9 12 „
6	24.363	20.14	87.7	42.42	88.9	.0571	.8148	19.16.3	N	10 12 „
7	24.397	20.07	87.5	42.47	88.9	.0560	·8154	19.16.6	N	11 12 „
8	24.226	20.07	87.5	42·46	88.7	.0560	.8153	19.16.6	N	Midnight.
9	24.226	19.95	87.3	42.51	88.5	.0539	.8158	19·17.1	B	1 12 a. m.
10	24.090	20.11	87.1	42.53	88.2	.0566	.8160	19.16.7	B	2 12 „
11	24.363	19.99	86.9	42.54	87.9	.0546	.8166	19.16.9	B	3 12 „
12	24.226	19.87	86.8	42.51	87.7	.0527	.8158	19.17.2	B	4 12 „
13	24.914	19.93	86.6	42.71	87.7	.0535	.8180	19.17.9	C	5 12 „
14	25.806	19.88	86.5	42.93	87.5	.0528	·8204	19.18.9	C	6 12 „
15	27.590	20.24	86.8	42.81	87.8	.0588	.8191	19.17.6	N	7 12 „
16	27.178	20.63	87.5	42.43	88.0	.0651	.8149	19.15.2	C	8 12 „
17	25.737	20.86	88.2	42.07	88.5	.0689	.8110	19.13.2	C	9 12 „
18	23.816	20.87	89.1	41.78	89.2	·0691	.8078	19.11.9	N	10 12 „
19	21.758	20.80	89.5	41.74	89.5	.0679	.8073	19·11.9	N	11 12 „
20	20.385	20.81	90.0	41.80	90.0	.0681	.8080	19.12.2	N	Noon.
21	21.551	20.57	90.5	42.31	90.4	.0642	.8136	19.14.9	B	1 12 p. m.
22	22.854	20.53	90.7	42.48	90.9	.0635	.8155	19.15.7	B	2 12 „
23	23.746	20.41	91.1	42.64	91.4	.0616	.8172	19.16.4	B	3 12 „
June 5th-Noon.	24.776	20.25	91.1	42.65	91.6	.0579	.8168	19.16.7	B	4 12 „
1	25.394	20.01	90.6	42.45	91.3	.0550	.8152	19.16.6	C	5 12 „
2	24.846	19·93	89.5	42.23	91.0	.0536	.8127	19·15.9	C	6 12 „
3	24·846	19.94	88.9	42.25	90.1	.0538	.8130	19·16.0	C	7 12 „
4	24.639	19.79	88.8	42.34	89.9	.0515	.8139	19.16.7	C	8 12 „
5	24.159	19.73	88.3	42.36	89.2	.0504	.8142	19.16.9	N	9 12 „
6	23.746	19.80	88.2	42.37	89.1	·0515	.8143	19.16.7	N	10 12 „
7	24.090	19.80	88.0	42.42	89·0	.0515	.8148	19.16.9	N	11 12 „
8	24·295	19.79	87.6	42.46	88.8	.0414	.8153	19.17.3	N	Midnight.
9	24.432	19.91	87.5	42.48	88.5	.0533	.8155	19.17·1	B	1 12 a. m.
10	24.363	19.88	87.1	42.50	88.2	.0527	.8157	19.17.2	B	2 12 „
11	24.226	19.81	87.0	42.54	88.0	.0517	.8168	19.17.3	B	3 12 „
12	24.502	19.81	86.9	42.59	87.9	.0517	.8167	19.17.6	B	4 12 „
13	24.846	19.88	86.8	42.74	87.9	.0528	.8181	19.18.0	C	5 12 „
14	26.286	20.07	86.9	42.97	87.8	.0560	.8209	19.18.7	C	6 12 „
15	28.276	20.14	87.2	43.03	87.8	·0571	·8215	19.19.9	C	7 12 „
16	28.962	20.44	87.7	42·78	88.1	.0621	.8188	19.17.1	C	8 12 „
17	24·138	20·88	88.5	42.16	88.6	·0692	.8120	19.13.6	N	9 12 „
18	25.943	21.14	89.0	41.93	89.2	.0735	.8094	19.11.9	N	10 12 „
19	24.502	21.25	89.6	41.79	89.3	·0753	.8079	19.11.1	N	11 12 „
20	22.718	21.09	90.0	41.80	90.0	.0727	.8080	19.11·5	N	Noon.
21	21.395	20.93	90.4	41.86	90.4	.0700	.8087	19.12.2	B	1 12 p. m.
22	21.826	20·84	90.5	42.00	90.6	.0686	.8102	19.12.8	B	2 12 „
23	21.963	20.67	90.5	42.07	90.8	.0658	.8110	19.13.6	B	3 12 „

On the 4th, at about 19h., Dip as obtained by Observation was 19°08′1.

DAILY OBSERVATIONS, FROM 6TH TO 8TH JUNE 1860.

DATE. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1860.
h.										h. m.
JUNE 6TH-Noon.	23·335	20.60	90°2	42.43	90°9	8.0646	2.8149	19°15'2	B	4 12 p. m.
1	24.159	20.41	89.0	42.48	90.1	·0616	.8155	19.15.9	C	5 12 ,,
2	24.502	20·20	88.6	42.38	89.7	.0581	.8144	19.16.0	C	6 12 ,,
3	23.816	20.16	88.4	42.18	89.6	.0574	.8122	19.15.2	C	7 12 ,,
4	23.335	20.14	88.3	42.24	89·5	.0571	.8128	19.15.5	C	8 12 ,,
5	23.404	20.15	88.2	42.28	89.2	.0572	.8133	19.15·7	N	9 12 ,,
6	23·609	20.17	88.0	42.37	89.0	.0576	.8143	19.16.0	N	10 12 ,,
7	23.884	20·12	88.0	42.37	89.0	.0567	·8143	19.16.1	N	11 12 ,,
8	24.159	20.21	87.9	42.42	89.0	.0583	.8148	19.16.2	N	Midnight.
9	24.295	20.21	87.8	42.43	89.0	.0583	.8149	19.16.2	B	1 12 a. m.
10	24·295	20.16	87.6	42.31	88.6	.0574	.8136	19.15.8	B	2 12 ,,
11	24 363	20.01	87.2	42.33	88.2	.0550	.8138	19.16.1	B	3 12 ,,
12	24.570	19.95	87.0	42.28	87.7	.0539	.8133	19.16.0	B	4 12 ,,
13	24.363	19.95	86.9	42.41	87.7	.0539	.8147	19.16.7	C	5 12 ,,
14	25.394	19.97	86·9	42.58	87·7	·0543	·8166	19·17.3	C	6 12 ,,
15	27.109	20.06	87.1	42.63	87.6	.0558	.8171	19.17.2	C	7 12 ,,
16	27·109	20.46	88·0	42 31	88.4	·0624	.8140	19.15.3	C	8 12 ,,
17	26.355	20.83	88.4	42.06	88.8	.0684	.8131	19.14.2	N	9 12 ,,
18	24.226	20.87	89.6	41.70	89.4	.0691	.8069	19.11.5	N	10 12 ,,
19	22.787	21.01	89.6	41.79	89.5	.0714	.8079	19.11.7	N	11 12 ,,
20	21.139	21.16	89.5	41.79	89.8	.0738	.8079	19.11.3	N	Noon.
21	20.522	21.07	89.8	41.95	90.0	.0724	.8097	19.12.3	B	1 12 p. m.
22	20.728	20.74	90.3	41.97	90.5	.0670	.8099	19.13.0	B	2 12 ,,
23	21.963	20.41	90.3	42.10	90.8	.0616	.8113	19.14.2	B	3 12 ,,
JUNE 7TH-Noon.	23.473	20.24	90.3	42.18	91.0	.0588	.8122	19·14.9	B	4 12 ,,
1	24.090	20.01	89.6	42.22	91.0	.0550	.8126	19.15.6	C	5 12 ,,
2	24.649	19.85	89·0	42.19	90.3	.0523	.8124	19.15.9	C	6 12 ,,
3	23.953	19.70	88.4	42.15	90.0	.0499	.8119	19.16.0	C	7 12 ,,
4	23.953	19.71	88.1	42.24	89.6	.0501	.8128	19.16.4	C	8 12 ,,
5	24.021	19.99	88.1	42.28	89.2	.0546	.8133	19.15.9	N	9 12 ,,
6	23.746	20.01	88.1	42·28	89.2	.0550	.8133	19.15.9	N	10·12 ,,
7	23.816	19.98	88.1	42.32	89.1	.0544	.8137	19.16.3	N	11 12 ,,
8	24.159	19.86	88.0	42.34	88.8	.0524	.8139	19.16.4	N	Midnight.
9	24.432	19.66	86.5	42.28	87.8	.0492	.8133	19.16.7	B	1 12 a. m.
10	24.983	19.62	86·1	42.40	87.4	·0485	.8146	19.17.2	B	2 12 ,,
11	24.639	19.86	86.1	42·47	87.4	·0525	.8154	19.17.0	B	3 12 ,,
12	24.159	19.91	85.9	42.43	87.1	.0533	.8149	19.16.8	B	4 12 ,,
13	24.159	19.69	85.8	42.49	87.0	.0492	.8156	19.17.6	C	5 12 ,,
14	26.218	19·83	85.6	42.60	86.6	.0520	.8168	19.17.6	C	6 12 ,,
15	27.109	20.11	85.6	42.69	86.2	.0566	·8178	19.17.4	C	7 12 ,,
16	27.109	20.35	86.1	42.47	86.6	.0605	.8154	19.16.0	C	8 12 ,,
17	26.218	20.74	86·9	42.06	87.0	.0670	.8109	19.13.4	N	9 12 ,,
18	24·639	21.10	87.9	41.72	87.4	.0728	.8071	19.11.1	N	10 12 ,,
19	23·130	21.11	88.8	41.54	88.0	.0730	.8051	19·10.4	N	11 12 ,,
20	21·895	20.96	89.5	41.46	88.8	.0705	.8043	19.10.4	N	Noon.
21	21.619	20.78	89·8	41.93	89.0	.0676	.8094	19.12.7	B	1 12 p. m.
22	21.963	20.63	90.6	42.05	90.1	.0651	.8108	19.13.6	B	2 12 ,,
23	22.854	20.22	90.6	42.17	90.6	.0584	.8121	19.15.1	B	3 12 ,,
JUNE 8TH-Noon.	23.404	20.25	90.8	42.20	91·2	.0589	.8124	19.15.0	B	4 12 ,,
1	23·677	20.08	90.4	42.24	91.3	.0561	.8128	19.15.6	C	5 12 ,,
2	23.953	20.02	89.5	42.22	90.8	.0551	.8126	19.15.6	C	6 12 ,,
3	23.677	19.75	89.0	42.16	90.1	·0507	.8120	19.16.0	C	7 12 ,,
4	23.473	19.85	88.9	42.22	90.0	.0523	.8126	19.16·0	C	8 12 ,,
5	23.816	19.93	88.8	42.23	89.8	.0536	.8127	19.15.9	N	9 12 ,,
6	24.159	20.04	88.8	42.29	89·7	.0555	.8134	19.15.8	N	10 12 ,,
7	24.159	19.90	88.6	42.20	89.4	.0531	.8133	19.16.2	N	11 12 ,,
8	24.502	19.66	87.5	42.40	88.2	.0492	.8146	19.17.2	N	Midnight.
9	24.707	19.62	87.1	42.38	87.8	.0485	.8144	19.17.1	B	1 12 a. m.
10	24.983	19.64	86.8	42.48	87.5	.0489	.8155	19.17.6	B	2 12 ,,
11	25.051	19.59	86.8	42·47	87.2	.0481	.8154	19.17.7	B	3 12 ,,

On the 7th, at about 19h., Dip as obtained by Observation was 19°08'1.

DAILY OBSERVATIONS, FROM 8TH TO 11TH JUNE 1860.

Date. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1860.
h.										h. m.
June 8th—12	25·394	19.55	86·5	42.48	86·8	8.0474	2.8155	19°17·9	B	4 12 a. m.
13	25.669	19.42	85.0	42.54	85.4	.0453	.8161	19.18.2	C	5 12 „
14	26.149	19.64	84.7	42.72	84.9	.0489	.8181	19.18.5	C	6 12 „
15	25.875	19.93	84·5	42.65	85·0	.0536	.8174	19.17.6	C	7 12 „
16	25.532	20.53	84·6	42.35	84.9	.0635	.8141	19.15.1	C	8 12 „
17	23.953	20.83	85.0	42.08	85.2	.0684	.8111	19.13.4	N	9 12 „
18	22.305	21.10	86.0	41.83	86.0	.0728	.8083	19.11.6	N	10 12 „
19	21.071	21.41	87.0	41.80	86.5	.0780	.8080	19.10.9	N	11 12 „
20	20.865	21.26	87.7	42.06	87·1	·0755	·8109	19.12.2	N	Noon.
21	21.208	21.19	88·6	42.19	88.0	.0783	.8123	19.13.1	B	1 12 p. m.
22	21.345	20.96	89.3	42.11	88.8	.0705	.8114	19.13.1	B	2 12 „
23	22.033	20.96	89.6	42.34	89.6	.0705	.8139	19.14.1	B	3 12 „
June 10th-Noon.	23·473	20.19	87.8	42·43	88·8	.0579	.8149	19.16.2	C	4 12 „
1	23.473	20.04	87.5	42.42	88.5	.0555	.8148	19.16.4	C	5 12 „
2	24.432	19·88	87.0	42.45	87.8	.0528	.8152	19.16.9	C	6 12 „
3	24.432	19.56	86.2	42.41	87.1	.0474	·8147	19.17.6	C	7 12 „
4	24.226	19.55	86.0	42.44	86.5	.0474	.8150	19.17.7	C	8 12 „
5	23.816	19.66	85.9	42.43	86.4	.0492	.8149	19.17.3	R	9 12 „
6	23.816	19.81	85.9	42·44	86·4	.0517	.8150	19.17.0	R	10 12 „
7	24.502	19.51	84.0	42.50	85.5	.0468	.8157	19.18.0	R	11 12 „
8	24.363	19.36	82.0	42.57	83.9	.0443	.8165	19.18.6	R	Midnight.
9	24.021	19.51	81.8	42.64	83.0	.0468	.8172	19.18.4	B	1 12 a. m.
10	24.226	19.55	82.0	42.64	83.1	.0474	.8172	19.18.4	B	2 12 „
11	24.502	19.60	82·0	42.71	83·1	.0482	.8180	19.18.7	B	3 12 „
12	24.639	19·58	82.1	42.64	83.0	.0479	.8172	19.18.3	B	4 12 „
13	24.983	19·73	82.3	42.73	83.0	.0504	.8182	19.18.4	C	5 12 „
14	27.315	20.26	82.6	42.93	83·0	·0591	.8204	19.18.1	C	6 12 „
15	28·276	19.79	82.7	42.80	83.3	.0514	.8190	19.18.7	C	7 12 „
16	26.355	20.26	83.0	42.50	83.3	.0591	.8157	19.16.4	C	8 12 „
17	24.983	20.35	83.6	42.40	84.0	.0605	.8146	19.15.7	R	9 12 „
18	24.432	20.11	84.7	42.29	84.5	.0566	.8134	19.15.7	R	10 12 „
19	22.305	20.37	85.2	42.20	85.0	.0609	.8124	19.14.8	R	11 12 „
20	21.758	20.29	86.0	41.98	86.0	.0596	.8100	19.14.0	R	Noon.
21	21.276	19.92	86.5	41·83	86.1	.0534	·8083	19.14.2	B	1 12 p. m.
22	21·345	19.64	86.8	41.95	86.8	.0489	.8097	19.15.3	B	2 12 „
23	22.305	19.39	87.1	42.18	87.3	.0448	.8122	19.16.7	B	3 12 „
June 11th-Noon.	22.991	18.93	87.2	42.19	87.5	.0372	.8123	19.17.9	B	4 12 „
1	24.776	18.74	86·9	42.31	87.4	·0342	.8136	19.18.8	C	5 12 „
2	25.051	18.36	86.6	42.38	87.1	.0279	.8144	19.19.9	C	6 12 „
3	23.540	19.02	86.5	42·10	87.0	·0387	.8113	19.17.2	C	7 12 „
4	23.540	19.07	86.3	42.21	87.0	.0396	.8125	19.17.6	C	8 12 „
5	23 746	19.06	86.0	42.21	87.0	.0394	.8125	19.17.7	R	9 12 „
6	23.677	19.04	86.0	42.23	87.0	.0391	.8127	19.17.8	R	10 12 „
7	23.746	19.17	85.0	42.28	86.0	.0412	.8124	19.17.4	R	11 12 „
8	24.570	19.13	84·9	42·35	86.0	.0405	.8141	19·18.1	R	Midnight.
9	24.776	19.07	84.5	42.32	85.5	.0396	.8137	19.18.1	B	1 12 a. m.
10	24·639	19.11	84.3	42.31	85.3	.0402	.8136	19.18.0	B	2 12 „
11	24.776	19·16	84.1	42.38	85.2	.0410	.8144	19.18.2	B	3 12 „
12	24.402	19.07	83.9	42.37	84.9	.0396	.8143	19.18.3	B	4 12 „
13	25.532	19.20	83.9	42.45	84·9	.0417	.8152	19.18.3	C	5 12 „
14	26.492	19·37	83.9	42.62	84.7	.0445	.8170	19.18.6	C	6 12 „
15	26.698	19.62	84.0	42.45	85·0	.0485	.8152	19.17.4	C	7 12 „
16	27.109	19.99	84.4	42.41	85.0	·0546	.8147	19.16.5	C	8 12 „
17	26.012	20.21	85.0	42.20	85.0	.0583	.8124	19.15.2	R	9 12 „
18	24.914	20.55	85.5	41.92	85.5	.0638	.8093	19.13.2	R	10 12 „
19	23.473	20.69	86.3	41.59	86.2	.0661	.8057	19.11.6	R	11 12 „
20	22.305	20.49	86.9	41·51	86.9	.0629	.8048	19.12.6	R	Noon.
21	21·688	20.38	87.5	41.47	87.3	.0610	.8044	19.11.7	B	1 12 p. m.
22	21.895	20.17	87.5	41.70	87.8	.0576	.8069	19.13.0	B	2 12 „
23	22.787	19.92	86.0	42.06	86.9	·0534	.8109	19.15.2	B	3 12 „

On the 8th, at about 19h., Deflection Observations were taken.
On the 11th, at about 19h., Dip as obtained by Observation was 19°03'1.

DAILY OBSERVATIONS, FROM 12TH TO 14TH JUNE 1860.

Date. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1860.
h.										h. m.
June 12th-Noon.	23·540	19.75	85·8	42.20	86·5	8.0505	2.8124	19°16'1	B	4 12 p. m.
1	24.895	19.55	85.6	42.32	86.4	.0474	.8137	19.17.2	C	5 12 ,,
2	24.914	19.38	83.5	42.18	85.0	.0446	.8122	19.16.7	C	6 12 ,,
3	24.159	19.31	83.5	42.15	85.0	.0435	.8119	19.16.8	C	7 12 ,,
4	23.677	19·38	83.9	42.15	85.0	·0446	.8119	19.16.6	C	8 12 ,,
5	24.090	19.31	83.1	42.37	84.0	.0435	.8143	19.17.8	R	9 12 ,,
6	24.432	19.30	82.5	42.38	83.5	.0433	.8144	19·17.9	R	10 12 ,,
7	24.707	19.44	83.0	42.34	83.5	.0457	.8139	19.17.3	R	11 12 ,,
8	24.432	19.52	83.3	42.24	84.0	.0469	.8128	19.16.8	R	Midnight.
9	24.432	19·51	83.5	42.22	84.0	.0468	.8126	19.16·7	B	1 12 a. m.
10	24.502	19.44	83.6	42.34	84.1	.0457	.8139	19.17.3	B	2 12 ,,
11	24.502	19.33	83.3	42.33	83.6	.0438	.8138	19.17.6	B	3 12 ,,
12	24.639	19.18	82.5	42.34	83·0	.0413	.8139	19.18.0	B	4 12 ,,
13	24.639	19·24	81.9	42.53	82.9	.0424	·8160	19.18.6	C	5 12 ,,
14	25.875	19.41	81.8	42.58	82·8	.0452	.8166	19.18.4	C	6 12 ,,
15	26.492	19.39	81.7	42.57	82.3	.0448	.8165	19.18.4	R	7 12 ,,
16	26.561	19.68	81.7	42.32	82.4	.0495	.8137	19.16.8	R	8 12 ,,
17	26.218	19.91	81.9	42.08	82.5	.0533	.8111	19.15.3	R	9 12 ,,
18	25.463	20.21	82.0	41.86	82.6	.0583	.8087	19.13·8	R	10 12 ,,
19	23.746	20.28	82.0	41.68	82.8	.0594	.8067	19.12.8	R	11 12 ,,
20	22.030	20.27	82.1	41·58	82.6	.0593	.8056	19.12.4	R	Noon.
21	21.758	20.16	81.8	41.87	82.3	·0574	.8088	19.13.9	B	1 12 p. m.
22	22.718	20.05	82·0	42.17	82.2	.0556	.8121	19.15.3	B	2 12 ,,
23	23.404	19.93	82.0	42.32	82.1	.0536	.8137	19.16.3	B	3 12 ,,
June 13th-Noon.	24.090	19.76	82.0	42.38	82.0	.0509	.8144	19.16.9	B	4 12 ,,
1	24.226	19.62	81.9	42·36	82.0	.0485	.8142	19.17.0	C	5 12 ,,
2	24.432	19.52	81.7	42.34	82.0	.0469	.8139	19.17.2	C	6 12 ,,
3	24.226	19.45	81.3	42.26	82.0	.0458	.8131	19.17.0	C	7 12 ,,
4	23.953	19.51	81.4	42.23	82.0	.0468	.8127	19.16.8	C	8 12 ,,
5	23.953	19.54	81.7	42.23	82.0	.0473	.8127	19.16.8	R	9 12 ,,
6	24.021	19.51	81.9	42.24	82.1	.0468	.8128	19.16.8	R	10 12 ,,
7	24.159	19.55	81.9	42.35	82·2	.0474	.8141	19.17·3	R	11 12 ,,
8	24.226	19.44	82.2	42.35	82.6	.0457	.8141	19.17.4	R	Midnight.
9	24.570	19.39	82.0	41.98	82.5	.0448	.8100	19.15·9	B	1 12 a. m.
10	24.707	19.41	81.7	42·02	82.2	.0452	.8104	19.16.0	B	2 12 ,,
11	24.275	19.55	82.0	41.93	82.4	.0474	.8094	19.15.4	B	3 12 ,,
12	24.707	19.53	81.9	41.85	82.3	.0471	.8086	19.15.1	B	4 12 ,,
13	24.914	19.54	81.8	41.97	82.2	.0473	·8099	19.15.6	C	5 12 ,,
14	25.463	19.63	82.0	42·07	82.4	.0487	.8110	19.16.0	C	6 12 ,,
15	25.806	19.78	81.0	42.01	82.0	.0512	.8103	19.15.3	C	7 12 ,,
16	25.532	20·07	81.0	41.91	81.8	.0560	.8092	19.14·1	C	8 12 ,,
17	25.189	20.30	80.8	41.65	81.5	.0597	.8064	19.12.5	R	9 12 ,,
18	23.130	20.25	80.0	41.43	81.0	.0589	.8039	19.11.7	R	10 12 ,,
19	21.071	20.60	80.2	41.52	81.0	·0646	.8049	19.11.3	R	11 12 ,,
20	20.110	20.72	80.9	41.46	81.2	.0666	.8043	19.11.9	R	Noon.
21	20.725	20.67	81.5	41.70	81.5	.0653	.8069	19.11.9	B	1 12 p. m.
22	21.415	20.59	81.7	41.84	82.0	.0645	.8084	19.12.6	B	2 12 ,,
23	21.963	20.36	82.2	41.99	82.3	.0607	.8101	19·13.9	B	3 12 ,,
June 14th-Noon.	23.267	20.01	82.5	42.16	82.6	.0550	.8120	19.15.4	B	4 12 ,,
1	24.502	19.75	82.4	42.04	82·8	.0507	.8106	19.15.4	C	5 12 ,,
2	24.502	19·70	82.5	41.69	83.0	.0499	·8068	19·14.0	C	6 12 ,,
3	23.609	19.51	81.7	41.65	82.4	.0468	.8064	19.14.2	C	7 12 ,,
4	23.473	19.50	81.4	41.77	82·3	.0466	.8077	19.14.8	C	8 12 ,,
5	23.677	19.74	82.7	41.76	82.9	.0504	·8076	19.14.3	R	9 12 ,,
6	23.816	19.76	83.0	41.79	83.0	.0509	.8079	19.14.3	R	10 12 ,,
7	23.953	19.68	83.2	41.80	83.3	.0495	.8080	19.14.5	R	11 12 ,,
8	24.021	19·61	83.2	41·75	83.5	0484	.8075	19.14.6	R	Midnight.
9	24.159	19.61	83.2	41.67	83.5	.0484	.8066	19.14.2	B	1 12 a. m.
10	24.226	19.60	83.3	41.71	83.5	.0482	·8070	19.14.4	B	2 12 ,,
11	24·226	19.61	83.4	41.73	83.5	.0484	.8072	19.14.4	B	3 12 ,,

DAILY OBSERVATIONS, FROM 14TH TO 17TH JUNE 1860.

DATE. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1860.
h.										h. m.
JUNE 14TH—12	24·639	19.51	83°4	41.73	83°5	8.0468	2.8072	19°14′5	B	4 12 a. m.
13	24.709	19.57	83.5	41.66	83.6	.0478	.8065	19.14.2	C	5 12 „
14	26.080	19.61	83.1	41.90	83.3	.0484	.8091	19.15.2	C	6 12 „
15	27.247	19.91	83.4	41.86	83.7	.0533	.8087	19.14.4	C	7 12 „
16	27.247	20.42	84·1	41.48	84.0	.0617	.8045	19.11.6	C	8 12 „
17	26.080	20.74	85.1	41.05	85.0	.0670	.7998	19.09.1	R	9 12 „
18	24.295	20.98	85.8	40.71	85·4	.0708	·7960	19.07.1	R	10 12 „
19	21.826	21.04	86.4	40.69	86.3	.0719	.7958	19.06.9	R	11 12 „
20	21.345	20.88	87.0	40.90	86.5	.0692	.7981	19.08.1	R	Noon.
21	21.895	20.80	87.0	41.07	87.2	.0679	.8000	19.09.1	B	1 12 p. m.
22	21.895	20.59	86·8	41.06	87.1	.0645	.7999	19.09.3	B	2 12 „
23	22.374	20.38	86.2	41.25	86.6	.0610	.8020	19.10.8	B	3 12 „
JUNE 15TH—Noon.	22·444	20·14	86.1	41.25	86.6	.0571	.8020	19.11.3	B	4 12 „
1	23.139	19.97	86.0	41.18	86.6	·0543	.8012	19.11.3	C	5 12 „
2	23.404	19.85	85.4	41.19	86.4	.0523	.8013	19.11.6	C	6 12 „
3	23.130	19.82	85.1	41.14	86.2	·0518	.8007	19.11.4	C	7 12 „
4	23.130	19.77	85.0	41·17	85.8	.0511	.8011	19.11.7	C	8 12 „
5	23.404	19.80	85.0	41.17	85.8	.0515	·8011	19.11.5	R	9 12 „
6	23.609	19.77	84.8	41.27	85.5	.0511	.8022	19.12.1	R	10 12 „
7	23.953	19.78	84·6	41.21	85.4	·0512	.8015	19.11.9	R	11 12 „
8	24.502	19.77	84.0	41.19	85.0	.0511	.8013	19.11.8	R	Midnight.
9	24.159	19.83	84.0	41.34	84.8	.0520	.8029	19.12.3	B	1 12 a. m.
10	24.295	19.79	84.1	41.34	84.8	.0514	.8029	19.12.4	B	2 12 „
11	24.502	19·85	84.1	41.34	84.7	·0523	.8029	19.12.2	B	3 12 „
12	24.295	19.86	84.0	41.39	84.6	.0525	.8035	19·12.4	B	4 12 „
13	24.776	19.82	84.0	41.34	84.6	.0518	.8029	19.12.2	C	5 12 „
14	25.532	19.87	84·0	41.34	84.5	.0527	.8029	19.12.1	C	6 12 „
15	25.875	20.19	84.4	41.35	85.0	.0579	.8031	19.11.6	C	7 12 „
16	26.012	20.54	84.8	41·21	85.0	.0637	.8015	19.10·2	C	8 12 „
17	24.159	20.85	85.3	40.77	85.5	.0687	.7967	19.07.6	R	9 12 „
18	21.963	21.08	86.0	40.59	86.3	.0725	.7947	19.06.4	R	10 12 „
19	20.933	21.05	86.0	40.69	86.2	.0720	.7958	19.06.9	R	11 12 „
20	20.728	21.02	86.7	40.76	87.0	.0715	.7966	19.07.1	R	Noon.
21	21.619	20.86	87.2	40.77	87.4	.0689	.7967	19.08.1	B	1 12 p. m.
22	21.895	20.41	87.3	40.83	87.5	.0616	.7973	19.08.7	B	2 12 „
23	22.991	20.17	87.2	40.78	87.6	.0576	.7968	19.09.1	B	3 12 „
JUNE 17TH—Noon.	24.295	19.85	87.0	40.74	88.0	.0523	.7962	19.09.5	C	4 12 „
1	24.363	19.71	86·9	40.74	87.9	.0502	.7962	19.09.8	C	5 12 „
2	24.502	19.50	86.5	40.59	87.5	.0466	.7947	19.09.8	C	6 12 „
3	24.159	19.38	86.0	40.61	87.0	.0446	.7949	19.10.0	C	7 12 „
4	23.677	19·36	85·9	40.88	86.6	.0443	.7979	19.11.3	C	8 12 „
5	23.473	19·41	85.6	41.00	86.5	.0452	.7992	19.11.6	R	9 12 „
6	23.816	19.49	85.5	40.68	86.0	.0465	.7957	19.10.2	R	10 12 „
7	24.090	19.58	85.4	40.68	86.0	.0479	.7957	19.10.1	R	11 12 „
8	24.090	19.63	85.3	40.74	85.9	.0487	.7963	19.10.0	R	Midnight.
9	24.159	19.66	85.1	40.77	85.8	.0492	.7967	19.10.2	B	1 12 a. m.
10	24.159	19.68	84.9	40.84	85.6	.0495	·7974	19.10.3	B	2 12 „
11	24.363	19.71	84.8	40.86	85.4	.0501	.7977	19.10.0	B	3 12 „
12	24.432	19.76	84.8	40·86	85.4	.0509	.7977	19.10.4	B	4 12 „
13	24.776	19.78	84.7	41.00	85.4	.0512	.7992	19·10.9	C	5 12 „
14	25.895	19·81	84.6	41·14	85.2	.0517	.8007	19.11.4	C	6 12 „
15	26.766	19.98	84.7	41.16	85.2	.0544	.8010	19.11.3	C	7 12 „
16	26.766	20.25	85.2	40.92	85.5	.0589	.7983	19.09.5	C	8 12 „
17	25.600	20.42	85.9	40.49	86.3	.0617	.7936	19.07.3	R	9 12 „
18	23.677	20.47	86·5	40.30	86.7	.0626	.7915	19.06.4	R	10 12 „
19	21.758	20.73	87.5	40.13	87.5	.0668	·7896	19.05.1	R	11 12 „
20	21.415	20.71	88.0	40.24	88.1	.0665	.7908	19.05·6	R	Noon.
21	22.374	20.55	88.4	40.24	88.7	.0638	.7908	19.06.0	R	1 12 p. m.
22	22.787	20.32	88.5	40.27	88·9	.0600	·7912	19.06.6	R	2 12 „
23	22.854	20.11	88.3	40.46	88.8	.0566	.7933	19.07.9	R	3 12 „

On the 14th, at about 18h. 15m., Dip as obtained by Observation was 19°04′4.
On the 15th, at about 19h. 40m., Deflection Observations were taken.

DAILY OBSERVATIONS, FROM 18TH TO 20TH JUNE 1860.

DATE. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1860.
h.										h. m.
JUNE 18TH-Noon.	23'473	20.00	88°4	40.52	89°0	8.0548	2.7939	19°08'3	R	4 12 p. m.
1	24.090	19.88	88.1	40.47	89.0	.0528	.7934	19.08.4	C	5 12 „
2	24.502	19.66	87.6	40.35	88.6	.0492	.7921	19.08.4	C	6 12 „
3	24.159	19.46	87.0	40.24	88.0	.0460	.7908	19.08.3	C	7 12 „
4	23.816	19.31	86.6	40.34	87.4	.0435	.7919	19.09.4	C	8 12 „
5	23.335	19.46	86.4	40.46	87.1	.0460	.7933	19.09.3	R	9 12 „
6	23.335	19.58	86.1	40.59	87.0	.0479	.7947	19.09.7	R	10 12 „
7	24.021	19.40	86.0	40.70	86.7	.0450	.7959	19.10.4	R	11 12 „
8	24.707	19.23	85.8	40.82	86.6	.0422	.7972	19.11.2	R	Midnight.
9	25.394	19.11	85.5	40.82	86.5	.0402	.7972	19.11.5	B	1 12 a. m.
10	25.669	19.09	85.4	40.89	86.4	.0399	.7980	19.11.9	B	2 12 „
11	25.394	19.20	85.3	40.84	86.3	.0417	.7974	19.11.3	B	3 12 „
12	24.983	19.56	85.1	40.92	86.1	.0476	.7984	19.11.0	B	4 12 „
13	25.532	19.45	85.0	40.94	86.0	.0458	.7985	19.11.3	C	5 12 „
14	27.315	19.50	85.0	41.23	86.0	.0466	.8017	19.12.5	C	6 12 „
15	27.795	19.65	85.1	40.98	86.0	.0490	.7990	19.11.1	C	7 12 „
16	27.041	20.16	85.9	40.69	86.3	.0574	.7958	19.08.9	C	8 12 „
17	25.532	20.42	86.7	40.39	86.9	.0617	.7925	19.06.9	R	9 12 „
18	23.335	20.70	87.4	40.11	87.4	.0663	.7898	19.05.1	R	10 12 „
19	22.030	20.67	88.0	40.21	87.9	.0658	.7905	19.05.6	R	11 12 „
20	21.619	20.81	88.5	40.21	88.3	.0681	.7905	19.05.7	R	Noon.
21	20.796	20.78	88.6	40.27	89.0	.0676	.7912	19.05.6	B	1 12 p. m.
22	21.276	20.45	88.9	40.13	89.3	.0622	.7896	19.05.8	B	2 12 „
23	21.963	20.22	89.0	40.25	99.6	.0584	.7910	19.06.9	B	3 12 „
JUNE 19TH-Noon.	23.335	19.86	89.0	40.61	90.0	.0525	.7948	19.09.0	B	4 12 „
1	24.363	19.54	88.4	40.64	89.5	.0473	.7952	19.09.9	R	5 12 „
2	24.502	19.31	87.5	40.54	89.0	.0435	.7941	19.09.9	R	6 12 „
3	24.226	19.37	86.9	40.45	88.4	.0445	.7932	19.09.3	R	7 12 „
4	23.746	19.47	86.5	40.60	87.9	.0462	.7948	19.09.9	R	8 12 „
5	23.816	19.45	86.2	40.77	87.5	.0458	.7967	19.10.6	C	9 12 „
6	24.090	19.43	86.0	40.82	87.4	.0455	.7972	19.10.7	C	10 12 „
7	24.502	19.51	85.9	40.82	87.2	.0468	.7972	19.10.6	C	11 12 „
8	24.159	19.42	85.9	40.83	87.0	.0453	.7973	19.10.9	C	Midnight.
9	24.502	19.41	85.6	41.05	86.6	.0452	.7998	19.11.9	B	1 12 a. m.
10	24.432	19.44	85.5	41.08	86.6	.0457	.8001	19.11.9	B	2 12 „
11	24.090	19.50	85.4	41.15	86.6	.0466	.8009	19.12.1	B	3 12 „
12	24.226	19.51	85.3	41.25	86.5	.0468	.8020	19.12.6	B	4 12 „
13	24.432	19.57	85.0	41.29	86.3	.0478	.8024	19.12.5	R	5 12 „
14	26.904	19.62	84.9	41.54	86.2	.0485	.8051	19.13.5	R	6 12 „
15	26.972	19.95	85.0	41.59	86.2	.0546	.8057	19.13.0	R	7 12 „
16	25.463	20.24	85.5	41.45	86.2	.0588	.8042	19.11.8	R	8 12 „
17.	23.884	20.45	85.6	41.34	86.3	.0622	.8029	19.10.9	C	9 12 „
18	22.581	20.70	86.4	41.36	86.9	.0663	.8032	19.10.5	C	10 12 „
19	21.619	20.69	87.3	41.53	87.3	.0661	.8050	19.11.3	C	11 12 „
20	20.522	20.44	86.7	41.37	87.5	.0621	.8031	19.11.0	C	Noon.
21	19.967	20.38	86.2	41.36	87.0	.0610	.8032	19.11.2	B	1 12 p. m.
22	20.002	20.27	86.5	41.53	87.1	.0593	.8050	19.12.2	B	2 12 „
23	21.963	20.10	86.1	41.63	87.1	.0564	.8061	19.12.9	B	3 12 „
JUNE 20TH-Noon.	23.404	19.97	85.7	41.76	86.9	.0543	.8076	19.13.8	B	4 12 „
1	24.159	19.78	85.8	41.81	86.9	.0512	.8081	19.14.4	C	5 12 „
2	25.267	19.55	83.7	41.61	85.2	.0474	.8059	19.14.1	C	6 12 „
3	24.432	19.50	83.3	41.64	84.5	.0466	.8062	19.14.1	C	7 12 „
4	24.021	19.44	83.0	41.43	84.3	.0457	.8039	19.13.4	C	8 12 „
5	24.363	19.47	82.6	41.54	83.9	.0462	.8051	19.13.9	R	9 12 „
6	24.363	19.43	82.3	41.61	83.5	.0455	.8059	19.13.2	R	10 12 „
7	24.502	19.40	82.2	41.70	83.3	.0450	.8069	19.14.6	R	11 12 „
8	24.639	19.57	82.5	41.51	83.5	.0478	.8048	19.13.6	R	Midnight.
9	24.570	19.59	82.5	41.47	83.5	.0481	.8044	19.13.4	B	1 12 a. m.
10	24.570	19.70	82.6	41.53	83.5	.0499	.8050	19.13.4	B	2 12 „
11	24.090	19.76	82.9	41.56	83.5	.0509	.8054	19.13.4	C	3 12 „

DAILY OBSERVATIONS, FROM 20TH TO 22ND JUNE 1860.

Date. Göttingen Mean Time, 1860.	Eastern Declination.	Horizontal Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. — In English Units.	Absolute Vertical Force. — In English Units.	Computed Dip.	Observer.	Date. Bombay Civil Time. 1860.
h.										h. m.
JUNE 20TH—12	24'570	19.72	82°9	41.65	83°7	8.0502	2.8064	19°13'8	C	4 12 a. m.
13	24.846	19.65	82.8	41.83	83.7	.0490	.8083	19.14.7	R	5 12 „
14	26.904	19.82	82.5	42.05	83.5	.0518	.8108	19.15.3	R	6 12 „
15	27.727	19.98	82.6	42.00	83.4	.0544	.8102	19.14.8	B	7 12 „
16	27.247	20.34	83.0	42.00	83.3	.0604	.8102	19.14.0	B	8 12 „
17	26.972	20.81	83.8	42.01	83.5	.0681	.8103	19.13.1	C	9 12 „
18	25.669	20.12	84.5	41.86	84.0	.0567	.8087	19.13.9	C	10 12 „
19	22.854	21.11	84.8	41.76	84.5	.0730	.8076	19.11.2	R	11 12 „
20	21.276	21.07	85.0	41.70	85.0	.0724	.8069	19.11.1	R	Noon.
21	21.345	20.88	85.3	41.76	85.2	.0692	.8076	19.11.8	B	1 12 p. m.
22	21.482	20.58	85.3	41.78	85.3	.0643	.8078	19.12.6	B	2 12 „
23	22.649	20.21	85.0	41.94	85.5	.0583	.8095	19.14.1	C	3 12 „
JUNE 21ST-Noon.	24.432	19.96	85.0	42.07	85.4	.0541	.8110	19.15.2	C	4 12 „
1	25.532	19.69	84.5	42.06	85.3	.0497	.8108	19.15.6	R	5 12 „
2	26.149	19.39	84.3	41.99	85.0	.0448	.8101	19.15.9	R	6 12 „
3	24.502	19.33	84.1	41.86	84.8	.0438	.8087	19.15.6	B	7 12 „
4	24.776	19.18	84.1	41.98	84.7	.0413	.8100	19.16.5	B	8 12 „
5	23.884	19.52	84.0	41.94	84.8	.0469	.8095	19.15.5	C	9 12 „
6	23.953	19.64	84.2	42.00	84.9	.0489	.8102	19.15.4	C	10 12 „
7	23.677	19.69	84.1	42.04	84.7	.0497	.8106	19.15.6	R	11 12 „
8	24.159	19.52	84.0	42.04	84.7	.0469	.8106	19.15.9	R	Midnight.
9	23.884	19.48	83.2	42.07	84.0	.0463	.8110	19.16.2	B	1 12 a. m.
10	24.226	19.58	83.1	42.10	83.7	.0479	.8113	19.16.1	B	2 12 „
11	23.884	19.45	82.5	42.11	83.5	.0458	.8114	19.16.3	B	3 12 „
12	23.746	19.58	82.8	42.11	83.5	.0479	.8114	19.16.1	B	4 12 „
13	24.021	19.55	82.8	42.16	83.6	.0474	.8120	19.16.5	C	5 12 „
14	25.120	19.54	81.9	42.29	83.1	.0473	.8134	19.17.0	C	6 12 „
15	26.180	19.61	81.2	42.42	82.4	.0484	.8148	19.17.5	C	7 12 „
16	27.452	19.58	81.1	42.43	82.1	.0479	.8149	19.17.5	C	8 12 „
17	26.972	19.86	82.0	42.26	82.6	.0525	.8131	19.16.1	R	9 12 „
18	25.463	20.30	82.9	41.94	83.0	.0597	.8095	19.13.8	R	10 12 „
19	22.991	20.61	84.0	41.80	83.5	.0648	.8080	19.12.5	R	11 12 „
20	21.826	20.53	84.5	41.82	84.0	.0635	.8082	19.12.7	R	Noon.
21	21.208	20.49	85.4	41.76	84.8	.0629	.8076	19.12.6	B	1 12 p. m.
22	20.522	20.41	85.6	41.95	85.5	.0616	.8097	19.13.6	B	2 12 „
23	20.659	20.21	85.9	42.02	85.8	.0583	.8104	19.14.4	B	3 12 „
JUNE 22ND-Noon.	21.895	19.86	85.6	42.05	85.8	.0525	.8108	19.15.2	B	4 12 „
1	23.335	19.72	85.0	42.15	85.7	.0502	.8119	19.16.0	C	5 12 „
2	24.502	19.56	84.2	42.18	85.3	.0476	.8122	19.16.4	C	6 12 „
3	24.295	19.50	84.1	42.12	85.0	.0466	.8115	19.16.3	C	7 12 „
4	24.707	19.22	81.2	42.10	83.2	.0420	.8113	19.16.8	C	8 12 „
5	24.021	19.46	80.9	42.24	83.0	.0460	.8128	19.16.9	R	9 12 „
6	24.159	19.51	80.9	42.33	82.5	.0468	.8138	19.17.2	R	10 12 „
7	24.295	19.55	81.0	42.27	82.2	.0474	.8132	19.16.9	R	11 12 „
8	24.090	19.50	81.0	42.35	82.0	.0466	.8141	19.17.3	R	Midnight.
9	24.090	19.58	81.3	42.12	82.3	.0479	.8115	19.16.2	B	1 12 a. m.
10	23.953	19.50	81.4	42.07	82.3	.0466	.8110	19.16.1	B	2 12 „
11	23.746	19.59	81.5	42.12	82.4	.0481	.8115	19.16.2	B	3 12 „
12	23.884	19.59	81.6	42.19	82.4	.0481	.8123	19.16.5	B	4 12 „
13	24.295	19.63	82.0	42.17	82.4	.0487	.8121	19.16.2	C	5 12 „
14	25.875	19.61	82.0	42.37	82.3	.0484	.8143	19.17.3	C	6 12 „
15	27.041	19.69	81.9	42.37	82.3	.0487	.8143	19.17.1	C	7 12 „
16	27.247	20.12	82.3	42.22	82.5	.0567	.8126	19.15.4	C	8 12 „
17	25.806	20.52	82.7	42.07	83.0	.0633	.8110	19.14.0	R	9 12 „
18	24.502	20.99	83.7	41.95	83.7	.0710	.8097	19.12.5	R	10 12 „
19	22.101	21.60	84.3	41.82	84.0	.0810	.8082	19.10.5	R	11 12 „
20	20.796	21.38	84.9	41.75	84.9	.0774	.8075	19.10.8	R	Noon.
21	19.836	21.12	85.3	41.78	85.2	.0731	.8078	19.11.4	B	1 12 p. m.
22	19.561	20.99	86.0	41.78	86.1	.0701	.8078	19.11.8	B	2 12 „
23	19.836	20.74	86.3	41.84	86.4	.0670	.8084	19.12.4	B	3 12 „

On the 21st, at about 20h. 30m., Dip as obtained by Observation was 19°06'9.
On the 22nd, at about 19h. 30m., Deflection Observations were taken.

DAILY OBSERVATIONS, FROM 24TH TO 26TH JUNE 1860.

Date. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1860.
h.										h. m.
June 24th-Noon.	21·551	20.61	87·3	41.72	88·1	8.0648	2.8071	19°12′1	R	4 12 p. m.
1	23.060	20·36	87.0	41.72	88.1	.0607	.8071	19.12.7	R	5 12 ,,
2	24.639	20.27	86.6	41.73	87.7	.0593	.8072	19.12.9	C	6 12 ,,
3	24.021	19.86	86.0	41.58	87.5	.0525	.8056	19.13.2	C	7 12 ,,
4	23·816	19.84	85.8	41.68	87.1	.0522	.8067	19.13.7	C	8 12 ,,
5	24.363	19.44	85.2	41.63	86·8	.0457	.8061	19.14.2	C	9 12 ,,
6	24.363	19.38	84.5	41.86	86.0	.0446	.8087	19.15.4	R	10 12 ,,
7	24.159	19.37	84.0	41.87	85.5	.0445	.8088	19.15.4	R	11 12 ,,
8	24·159	19.56	84.3	41.92	85.4	.0476	.8093	19.15.3	R	Midnight.
9	24.159	19.59	84.4	41.96	85.4	.0481	·8098	19.15.5	B	1 12 a. m.
10	24.226	19.45	84.0	42.01	85.3	.0458	.8103	19.15.9	B	2 12 ,,
11	24.295	19.37	84.2	41.98	85.2	.0445	.8100	19.15.9	B	3 12 ,,
12	24.363	19.42	84.1	42.06	85.2	.0453	.8109	19.16.2	B	4 12 ,,
13	25.120	19.42	84.0	42.15	85.0	.0453	.8119	19.16.6	C	5 12 ,,
14	26.766	19.56	83.8	42.26	84.7	.0476	.8131	19.16.8	C	6 12 ,,
15	27.658	19.68	83.5	42.22	84.5	.0495	·8126	19.16.3	R	7 12 ,,
16	27.795	20.48	84.6	42.34	85.0	.0627	.8139	19.15.1	C	8 12 ,,
17	26.080	20.67	85.5	42.07	85.6	.0658	.8110	19.13.6	C	9 12 ,,
18	23·473	21.00	86.5	41.79	86.4	.0712	.8079	19.11.7	R	10 12 ,,
19	20.659	21.26	87.4	41.59	87.2	.0755	.8057	19.10.3	R	11 12 ,,
20	19.699	21.02	87.7	41·64	87·9	.0715	.8062	19.10.8	R	Noon.
21	19.904	20.68	87.6	41.63	87.8	.0659	.8061	19.11.6	B	1 12 p. m.
22	20.316	20.58	88.0	41·60	88.2	.0643	.8058	19.11.9	B	2 12 ,,
23	21.482	20.22	87.9	41.60	88.5	.0584	.8058	19·12.7	B	3 12 ,,
June 25th-Noon.	22.649	19.96	88·1	41·58	88.7	.0541	.8056	19.13.1	B	4 12 ,,
1	23.130	19.79	87.7	41.43	89.0	.0514	.8039	19.12.8	C	5 12 ,,
2	23.884	19·68	87.0	41.35	88.2	.0495	.8031	19.12.6	C	6 12 ,,
3	23.473	19.61	86·3	41.46	87.9	.0484	.8043	19.13.4	C	7 12 ,,
4	23.404	19.58	86.0	41.52	87.3	·0479	.8049	19.13.6	C	8 12 ,,
5	24.226	19.55	85.0	41.85	86.5	.0474	·8086	19.15.1	R	9 12 ,,
6	23·816	19.62	85·0	41.89	86.4	.0485	.8090	19.15.0	R	10 12 ,,
7	24.021	19.66	85.1	41.88	86.0	.0492	.8089	19.14.9	R	11 12 ,,
8	24.226	19.60	85.0	41.88	86.0	.0482	.8089	19.15.1	R	Midnight.
9	24.432	19.74	85.0	41.84	86.0	·0506	.8084	19.14.5	B	1 12 a. m.
10	23.884	19.54	85.0	41.73	85.8	.0473	.8072	19.14.5	B	2 12 ,,
11	24.090	19.56	85.0	41.82	85.8	.0476	.8082	19.14·8	B	3 12 ,,
12	24.159	19.62	84.8	41.87	85.6	.0485	.8088	19.14.9	B	4 12 ,,
13	24.570	19.48	84.8	41.83	85.6	·0463	.8083	19.15.1	C	5 12 ,,
14	26.012	19.63	84.9	41.94	85.5	.0487	.8095	19.15.2	C	6 12 ,,
15	27.590	19.71	84.8	42.05	85.5	.0501	.8108	19.15.6	R	7 12 ,,
16	27.864	20.02	85·4	41.93	86.0	.0551	.8094	19.14.3	C	8 12 ,,
17	27.178	20.56	86.2	41.78	86.5	.0640	.8078	19.12.6	R	9 12 ,,
18	25.532	21.04	87.0	41.55	87.0	·0719	.8053	19.10.6	R	10 12 ,,
19	22.854	21.65	87.6	41.30	87.5	·0818	.8025	19.08.2	R	11 12 ,,
20	21.002	21.87	88.0	41.24	88.0	.0790	.8018	19.08.3	R	Noon.
21	21.071	21.24	88.2	41.45	88.2	.0752	·8042	19.09.7	B	1 12 p. m.
22	21.895	20.96	88.2	41.48	88.6	.0705	.8045	19.10.5	B	2 12 ,,
23	22.991	20.60	88.5	41·52	89.0	.0651	.8049	19.11.3	B	3 12 ,,
June 26th-Noon.	23.609	20.30	88.4	41.50	89.2	.0597	.8047	19.12.0	B	4 12 ,,
1	24.090	20.03	88.0	41.34	89.2	.0553	.8029	19.11.8	C	5 12 ,,
2	24.502	19.80	87.1	41.38	88.6	.0515	.8034	19.12.4	C	6 12 ,,
3	23.884	19.63	86.6	41.34	88.0	·0487	.8029	19.12.6	C	7 12 ,,
4	23.816	19.73	86.3	41.41	87.5	.0504	.8037	19·12.9	C	8 12 ,,
5	23.816	19.80	86.1	41.49	87.2	.0514	.8046	19.13.1	R	9 12 ,,
6	23.816	19.73	85.9	41.61	87.0	.0504	·8059	19.13.7	R	10 12 ,,
7	24.364	19.78	85.6	42.10	86·7	·0512	.8113	19.15.7	R	11 12 ,,
8	24.159	19.85	85.6	42.20	86.5	·0523	.8124	19.15.9	R	Midnight.
9	24.226	19.84	85.3	42·09	86.3	·0522	.8112	19.15.4	B	1 12 a.m.
10	23·953	19.80	85.3	42.11	86.3	.0515	.8114	19.15.5	B	2 12 ,,
11	24.570	19.73	85.1	42.17	86.2	.0504	.8121	19.16.1	B	3 12 ,,

On the 25th, at about 19h. 20m., Dip as obtained by Observation was 19°10′6.

DAILY OBSERVATIONS, FROM 26TH TO 28TH JUNE 1860.

DATE. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1860.
h.										h. m.
JUNE 26TH—12	24·432	19.75	85°0	41.83	85°9	8.0507	2.8083	19°14′5	B	4 12 a. m.
13	24.707	19.70	84.1	41.91	85.1	.0499	.8092	19·14.9	C	5 12 „
14	25.326	19.99	84.4	42.13	85·0	.0546	.8116	19.15.2	C	6 12 „
15	26.012	20.20	84.7	42.22	85.2	.0581	.8126	19.15.3	C	7 12 „
16	25.669	20.79	85·4	42.01	85.6	.0678	.8103	19.13.1	C	8 12 „
17	23.884	21.40	86.0	41.72	86.1	.0778	.8071	19.10.5	R	9 12 „
18	23.404	21.99	86.9	41.56	86.9	·0874	.8054	19.08.7	R	10 12 „
19	20.865	21.95	87.5	41.23	87.5	.0867	.8017	19.07.3	R	11 12 „
20	17.709	22.29	88.0	40.99	88.0	.0924	.7991	19.05.5	R	Noon.
21	18.395	21.37	87.0	41.28	87.6	.0773	.8023	19.08.8	B	1 12 p. m.
22	19.973	20.97	87.0	41.57	87.2	.0707	.8055	19.10.9	B	2 12 „
23	22.787	20.39	85.8	41.73	86.1	.0612	.8072	19.12.7	B	3 12 „
JUNE 27TH-Noon.	23.677	20.20	86.6	41.74	86.9	.0581	.8073	19.13.2	B	4 12 „
1	24.295	19.94	86.5	41.75	86.9	.0538	·8075	19.13.1	C	5 12 „
2	24.363	19.89	86.0	41.68	86.8	.0530	.8067	19.13.6	C	6 12 „
3	24.090	19.87	85.6	41.64	86.3	.0527	.8062	19.13.3	C	7 12 „
4	23.884	19.78	85.3	41.70	86.1	.0511	.8069	19.13.9	C	8 12 „
5	23.540	19.79	85.2	41.66	86.0	.0514	.8065	19.13.8	C	9 12 „
6	23.816	19.75	85.0	42.18	86.0	.0507	.8122	19.16.0	R	10 12 „
7	23.884	19.70	85.0	42·20	85.9	.0499	.8124	19·16.2	R	11 12 „
8	24.021	19.78	85.0	42.26	85.6	.0512	.8131	19.16.4	R	Midnight.
9	24.295	19.75	85.0	42.28	85.4	.0507	.8133	19.16.5	B	1 12 a. m.
10	24.295	19.74	84·5	42.27	85.1	.0506	.8132	19.16.4	B	2 12 „
11	24.570	19.66	84.0	42.34	84.8	.0492	.8139	19.16.9	B	3 12 „
12	24.707	19.77	84.0	42.39	84.5	.0511	.8145	19.17.0	B	4 12 „
13	25.187	19.80	84.0	42.44	84.6	.0515	.8150	19.17.0	C	5 12 „
14	27.109	20.06	84.1	42.74	84.7	.0558	.8183	19.17.7	C	6 12 „
15	27.315	20.20	84.3	42.80	85.0	.0581	.8190	19.17.8	R	7 12 „
16	26.972	20.61	85.0	42.67	85.1	.0648	.8176	19.16.2	C	8 12 „
17	25.669	21.00	85.6	42.53	85.7	.0712	.8160	19.14.9	R	9 12 „
18	23.335	21.20	86.4	42·44	86.3	.0745	.8150	19.14.0	R	10 12 „
19	21.758	21.30	87.4	42.35	87.0	.0761	.8141	19.13.5	R	11 12 „
20	21.071	21.23	88.0	42.23	87.5	.0750	.8127	19.13.1	R	Noon.
21	21.688	20.91	88.3	42.23	88.2	.0697	.8127	19.13.8	B	1 12 p. m.
22	22.991	20.83	88.5	42.27	88.4	.0684	.8132	19.14.2	B	2 12 „
23	24.502	20.56	88.5	42.27	88.9	.0640	.8132	19.14.7	B	3 12 „
JUNE 28TH-Noon.	24.983	20.27	88.1	42.16	88.5	.0593	.8120	19.14.9	B	4 12 „
1	25.051	20.13	87.9	42.10	88.6	.0569	·8113	19.14.9	C	5 12 „
2	23.746	20.05	87.0	41.94	88.0	.0556	·8095	19.14.3	C	6 12 „
3	23.404	19.89	86.6	42.01	87.8	.0530	.8103	19.15.0	C	7 12 „
4	23.335	19.80	86.2	42.12	87.2	.0515	.8115	19.15.6	C	8 12 „
5	23.816	19.72	85.7	42.19	87.0	.0502	.8123	19.16.2	C	9 12 „
6	23.746	19.78	85.5	42.25	86·5	.0512	.8130	19.16.4	R	10 12 „
7	23.953	19.76	85.4	42.30	86.0	.0509	.8135	19.16.6	R	11 12 „
8	23.884	19.63	85.0	42.18	86.0	.0487	.8122	19.16.2	R	Midnight.
9	23.884	19.54	85·0	42.17	85.8	.0473	.8121	19 16.5	B	1 12 a. m.
10	24.432	19.28	84.9	42.32	85.8	.0430	.8137	19.17.7	B	2 12 „
11	24.090	19.31	84.2	42.33	85.2	.0435	.8138	19.17.6	B	3 12 „
12	24.570	19.27	84.5	42.41	85.3	.0429	.8147	19.18.1	B	4 12 „
13	24.363	19.45	84.4	42·44	85.2	.0558	.8150	19.17.8	C	5 12 „
14	26.149	19·59	84.4	42.66	85.2	.0481	.8175	19.18.5	C	6 12 „
15	27.384	19.39	84.4	42.65	85.0	.0448	.8174	19.18.7	R	7 12 „
16	28.070	19.96	84.5	42.65	85.0	.0541	.8174	19.17.6	C	8 12 „
17	26.149	20.36	85.0	42.46	85.4	.0607	.8153	19.16.0	C	9 12 „
18	23.473	20.78	86.0	42·31	86.2	.0676	.8136	19.14.4	R	10 12 „
19	20.933	21.17	86.5	42.21	86·9	.0740	.8125	19.13.2	R	11 12 „
20	20.110	20.90	85.0	42.40	85.0	.0695	.8146	19.14.5	R	Noon.
21	21.415	20.24	83.5	42·42	84.6	.0588	.8148	19.16.0	B	1 12 p. m.
22	22.444	20.03	83.2	42.53	84.4	.0553	.8160	19.16.9	B	2 12 „
23	22.787	19.73	83.2	42.53	84.2	.0504	.8160	19.17.6	B	3 16 „

On the 28th, at about 19h. 45m., Dip as obtained by Observation was 19°07′5.

DAILY OBSERVATIONS, FROM 29TH JUNE TO 2ND JULY 1860.

DATE. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1860.
h.	° ′									h. m.
JUNE 29TH-Noon.	23′130	19.42	82°8	42·56	83°8	8.0453	2.8164	19°18′3	B	4 12 p. m.
1	23.816	19.47	82.8	42·61	83.8	.0462	.8169	19.18.4	C	5 12 ,,
2	24.502	19.41	82.9	42.57	83.8	.0452	.8165	19.18.4	C	6 12 ,,
3	24·159	19.38	82.7	42.61	83.6	.0446	.8169	19·18.5	C	7 12 ,,
4	23.816	19.42	82.7	42.64	83.4	.0453	.8172	19.18.6	C	8 12 ,,
5	24.021	19.38	82.4	42.69	83.0	.0446	.8178	19.18.9	R	9 12 ,,
6	23.884	19.10	82.4	42.18	83.0	.0400	.8122	19.17.4	R	10 12 ,,
7	24.159	19.57	82.4	42.19	83.0	.0478	.8123	19.16.5	R	11 12 ,,
8	24.159	19.57	82.4	42.19	83.0	.0478	.8123	19.16.5	R	Midnight.
9	24.432	19.55	82.2	41.83	82.8	.0474	·8083	19.15.0	B	1 12 a. m.
10	24.639	19.50	82.1	41.80	82.6	.0466	.8080	19.14.9	B	2 12 ,,
11	25.737	19.75	81.9	41.91	82.3	.0507	.8092	19.14.8	B	3 12 ,,
12	26.698	19.48	81.3	41.91	82.1	.0462	.8092	19.15.4	B	4 12 ,,
13	27.041	19.79	81.0	42.02	82.0	·0514	.8104	19.15.3	C	5 12 ,,
14	30.334	19.49	80.8	42.06	82.1	.0465	.8109	19.16.0	C	6 12 ,,
15	28.756	19.88	81.0	42.04	82.0	.0528	.8106	19.15.2	C	7 12 ,,
16	27.933	20.18	81.4	42·00	81.9	·0577	.8102	19.14.3	C	8 12 ,,
17	27.109	20.60	82.0	41.82	82.2	.0646	.8082	19.12.5	R	9 12 ,,
18	26.149	20.51	83.0	41.79	83.0	·0632	.8099	19.12.7	R	10 12 ,,
19	21.551	21.93	83.4	41.39	83.0	·0864	.8035	19.08.1	R	11 12 ,,
20	20.728	20.56	83.4	41.41	83.0	.0640	.8037	19.11.1	R	Noon.
21	21.758	19.27	83.1	41.60	83.2	.0429	.8058	19.14.6	B	1 12 p. m.
22	21.482	18.77	82.2	41.72	83.3	.0347	.8071	19.16.0	B	2 12 ,,
23	23.718	18.55	82.6	41.80	83.4	.0310	.8080	19.17.0	B	3 12 ,,
JULY 1ST-Noon.	22.237	16.31	83·0	41.55	83.6	7.9943	.8053	19·20.8	L	4 12 ,,
1	23.404	16.65	82.5	41.55	83.4	.9998	.8053	19.18.7	L	5 12 ,,
2	24.707	16.71	82.3	41.60	83.3	8.0008	.8058	19.20.0	L	6 12 ,,
3	25.943	16.98	82.1	41.85	83.2	.0052	.8086	19.20.5	L	7 12 ,,
4	23.746	17.43	82.0	41·81	83.0	.0127	.8081	19.19.3	L	8 12 ,,
5	24.363	17.59	81.9	41.95	82.9	.0153	.8097	19.19.7	C	9 12 ,,
6	27.521	16.99	81.9	42.08	82.8	.0054	.8111	19·21.5	C	10 12 ,,
7	24.776	17.46	82.0	42.04	82.6	.0132	.8106	19.20.4	C	11 12 ,,
8	25.120	17.71	82.0	41.67	82.4	.0173	.8066	19.18.2	C	Midnight.
9	26.698	19.24	81.6	41.91	82.0	.0424	.8092	19.15.9	R	1 12 a. m.
10	25.120	18.60	81.4	41.81	82.0	.0318	.8081	19·16.8	R	2 12 ,,
11	26.080	18.10	81.2	41.76	82.0	.0236	.8076	19.17.7	R	3 12 ,,
12	26.080	18.10	81.0	41.70	81.5	.0236	.8069	19.17.4	R	4 12 ,,
13	27.658	17.83	81.0	42.19	81.4	.0192	.8123	19.20.2	L	5 12 ,,
14	29.305	17.81	81·1	42.24	81.4	.0189	.8128	19.20.4	L	6 12 ,,
15	29.648	17.94	81.1	42.16	81.4	.0210	.8120	19.19.9	L	7 12 ,,
16	28.138	18.41	81.9	41.95	81.6	·0288	·8097	19.17.9	L	8 12 ,,
17	26.286	19.05	82.2	41.74	82·3	.0392	.8073	19.15.6	C	9 12 ,,
18	23.609	19.29	82.7	41.58	82.5	.0432	.8056	19·14.5	C	10 12 ,,
19	21.688	19.69	83.0	41.45	82·9	.0497	.8042	19.13.0	C	11 12 ,,
20	21.482	19.49	83.0	41.49	83.0	.0465	.8046	19.13.6	C	Noon.
21	20.385	19.65	83.0	41.47	83.5	.0490	.8044	19.13.2	R	1 12 p. m.
22	20.316	19.34	83.4	41.46	83.3	.0440	.8043	19.13.9	R	2 12 ,,
23	22.030	18.88	83.2	41.50	83.4	.0364	·8047	19.15.1	R	3 12 ,,
JULY 2ND-Noon.	22.649	18.44	82.7	41·60	83.3	.0293	.8058	19·16.4	R	4 12 ,,
1	24.090	18·23	82.5	41·65	83.3	.0258	.8064	19.16.9	L	5 12 ,,
2	24.295	18·12	82.2	41.61	83.0	.0239	.8059	19.17.1	L	6 12 ,,
3	23.953	18.16	82.0	41.58	82.8	.0246	.8056	19.16.8	L	7 12 ,,
4	23.473	18.21	81.8	41.63	82.6	.0255	.8061	19.16.8	L	8 12 ,,
5	24.090	18·13	81.7	41·68	82.5	.0241	.8067	19.17.4	C	9 12 ,,
6	24.639	18·28	81.9	41.74	82.4	.0266	.8073	19·17.2	C	10 12 ,,
7	24.570	18.54	81.9	41.76	82.2	.0309	.8076	19.16.8	C	11 12 ,,
8	24.707	18.79	81·9	41.80	82.1	.0350	·8080	19.16.4	C	Midnight.
9	25.189	18.88	81.8	41.82	82.0	.0364	.8082	19.16.3	R	1 12 a. m.
10	25.463	18.56	81.7	41·82	82.0	·0312	.8082	19.17.0	R	2 12 ,,
11	26.080	18.66	81.5	41.84	82.0	.0328	.8086	19.16.8	R	3 12 ,,

DAILY OBSERVATIONS, FROM 2ND TO 4TH JULY 1860.

DATE. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1860.
h.										h. m.
JULY 2ND—12	26'286	18.88	81°0	41.85	81°5	8.0364	2.8086	19°16'5	R	4 12 a. m.
13	26.561	18.89	81.2	41.85	81.6	.0366	.8086	19.16.4	L	5 12 ,,
14	28.550	19.53	81.2	41.95	81.6	.0471	.8097	19.15.6	L	6 12 ,,
15	29.853	18.85	81.4	41.97	81.6	.0359	.8099	19·17.0	L	7 12 ,,
16	28.276	19.04	81.8	41.87	81.7	·0391	.8088	19.16.2	L	8 12 ,,
17	26.766	19.23	81.9	41.81	82.0	.0422	.8081	19.15.5	C	9 12 ,,
18	25.532	19.56	82.0	41.74	82.0	.0476	.8073	19.14.5	C	10 12 ,,
19	22.854	19.89	81.9	41.66	81.9	.0530	.8065	19.13.5	C	11 12 ,,
20	21.139	19.86	82.0	41.66	81.9	.0525	.8065	19.13.5	C	Noon.
21	20.110	19.41	82.0	41.71	82.0	.0452	·8070	19.14.7	R	1 12 p. m.
22	20.110	19·27	82.6	41.75	82.3	.0429	.8075	19.15.2	R	2 12 ,,
23	21.826	18.49	83.0	41.79	83.0	.0301	.8079	19.17.0	R	3 12 ,,
JULY 3RD—Noon.	24.363	18.38	93.0	41.79	83.0	.0282	.8079	19.17.3	R	4 12 ,,
1	25.326	18·36	82.8	41.71	82.9	.0279	.8070	19.17.0	L	5 12 ,,
2	25.669	18.24	82.5	41.63	82.8	.0260	.8061	19.16.8	L	6 12 ,,
3	25.189	18.50	82.2	41.53	82.8	·0302	.8050	19.16.0	L	7 12 ,,
4	24.432	18.33	82.2	41.50	82.8	.0274	.8047	19.16.3	L	8 12 ,,
5	24.983	18.16	82.0	41.56	82.5	.0246	.8054	19.16.7	C	9 12 ,,
6	24.226	18.30	81.9	41.45	82.4	.0269	.8042	19·16.0	C	10 12 ,,
7	24.502	18.46	82.0	41.53	82.5	.0296	.8050	19·16.0	C	11 12 ,,
8	24.363	18.45	81.9	41.48	82.5	.0294	.8045	19.15.9	C	Midnight.
9	24.502	18.43	81.4	41.36	82.0	.0291	.8032	19.15.3	R	1 12 a. m.
10	24.295	18.48	81.3	41.46	82.0	.0299	.8043	19.15.7	R	2 12 ,,
11	24.346	18.49	81.3	41.48	82.0	.0301	.8045	19.15.8	R	3 12 ,,
12	25.326	18.53	81.4	41.40	82.0	.0307	.8036	19.15.3	R	4 12 ,,
13	26.218	18.62	81.4	41.41	82.1	.0321	.8037	19.15·2	B	5 12 ,,
14	27.864	18.81·	81.3	41.56	82.0	.0353	.8054	19·15·4	B	6 12 ,,
15	29.030	19.06	81.5	41.46	82.0	.0394	.8043	19.14.5	B	7 12 ,,
16	29.373	19.94	82.8	41.38	82.5	.0538	.8034	19.12.2	L	8 12 ,,
17	28.276	20.38	84.0	41.11	83.3	.0610	.8004	19.10.1	C	9 12 ,,
18	25.785	20.58	84.4	40.80	84·2	.0643	.7970	19.08.4	C	10 12 ,,
19	22.991	20.75	85.1	40.75	85.0	.0671	.7965	19.07.8	C	11 12 ,,
20	22.237	20.40	84.9	40.80	85.0	.0614	.7976	19.09.0	C	Noon.
21	22.030	20.27	84.4	40.94	84.7	.0593	.7985	19.09.6	R	1 12 p. m.
22	22.444	19.95	85.0	40.95	85.0	.0539	.7987	19.10.4	R	2 12 ,,
23	23.060	19.74	85.0	40.97	85.0	.0506	.7989	19.10.8	R	3 12 ,,
JULY 4TH—Noon.	23.816	19.38	84.5	41.04	84.7	.0446	.7996	19.12.0	R	4 12 ,,
1	24.295	19.00	84.2	41.03	84.4	.0384	.7995	19·12.8	L	5 12 ,,
2	24.914	18.96	84.1	41.05	84.2	.0377	.7998	19.12.9	L	6 12 ,,
3	24.363	18.85	83.4	41.04	84.0	.0359	.7996	19.13.0	L	7 12 ,,
4	23.473	19.01	83.3	41.17	83.9	.0386	.8011	19.13.2	L	8 12 ,,
5	24.295	18.89	83.4	41.14	83·9	.0366	.8007	19.13.4	C	9 12 ,,
6	24.707	18.79	83.4	41.12	83.9	.0347	.8005	19.13.5	C	10 12 ,,
7	25.187	18.60	82.4	41.26	83·8	.0318	.8021	19.14.5	C	11 12 ,,
8	25.051	18.67	82.0	41.33	83.0	.0330	.8028	19.14.7	C	Midnight.
9	24.914	18.86	82.5	41.39	83.0	·0361	.8035	19.14.6	R	1 12 a. m.
10	25·326	18.69	82.7	41.49	83·0	.0333	·8046	19.15.4	R	2 12 ,,
11	26.012	18.79	82.7	41.47	83.0	.0350	.8044	19.15·0	R	3 12 ,,
12	25.737	18.84	82.5	41.49	83.0	.0358	.8046	19.15.0	R	4 12 ,,
13	28.619	19.00	82.4	41.57	83.0	.0384	.8055	19·15.2	L	5 12 ,,
14	28.962	18.35	82.6	41.64	83.0	·0277	.8062	19.16.6	L	6 12 ,,
15	30.951	18.60	82.9	41.71	83.0	.0318	.8070	19.16.4	L	7 12 ,,
16	31.363	18.28	83.3	41.69	83.1	.0266	.8068	19.17.0	L	8 12 ,,
17	31.500	18.36	84.0	41.61	83.8	.0279	.8059	19.16.6	C	9 12 ,,
18	28.413	18.40	85.0	41.37	85.0	.0286	.8033	19.15.4	C	10 12 ,,
19	24.846	18.85	85.0	41.05	85.0	.0359	.7997	19.13.1	C	11 12 ,,
20	22.444	19.64	85.2	41.10	85·1	.0484	.8003	19.11.8	C	Noon.
21	22.374	19.89	85.5	40.39	85.6	.0465	.7925	19.08.9	R	1 12 p. m.
22	22.649	18.96	85.7	40.38	85.0	.0377	.7924	19.10.0	R	2 12 ,,
23	22.030	19.56	85.3	40.37	85.6	.0476	.7923	19.08.7	R	3 12 ,,

On the 2nd, at about 19h. 15m., Dip as obtained by Observation was 19°05'0.

DAILY OBSERVATIONS, FROM 5TH TO 8TH JULY 1860.

DATE. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1860.
h.										h. m.
JULY 5TH-Noon.	22·787	18.55	85·0	40.46	85·4	8.0310	2.7933	19°11·3	R	4 12 p. m.
1	27.315	16.69	84.6	40.71	85.4	·0605	.7960	19.16.2	L	5 12 ,,
2	26.355	17.11	84.1	40.70	85.0	.0074	.7959	19.15.4	L	6 12 ,,
3	28.893	16.89	83.8	40.79	84.6	.0038	.7969	19.16.1	L	7 12 ,,
4	23.473	17.28	83.5	40.65	84·4	.0102	.7954	19.14.8	L	8 12 ,,
5	24.159	17.40	83.2	40.72	84.0	.0122	.7961	19.14.7	C	9 12 ,,
6	24.983	17.56	83.0	40.83	83.8	.0148	.7973	19.14.8	C	10 12 ,,
7	24.983	17.77	83.0	41.31	83.6	·0183	.8026	19·16.6	C	11 12 ,,
8	24.914	17.92	83.0	41.32	83.3	.0206	.8027	19.16.3	C	Midnight.
9	25.532	17.68	82·4	41.39	83·0	.0167	.8035	19.17.1	R	1 12 a. m.
10	24.914	18.20	82.1	41.48	82.6	.0253	.8045	19.16.4	R	2 12 ,,
11	25.600	18.29	82.0	41.48	82.5	.0268	.8045	19.16.2	R	3 12 ,,
12	25.532	18.46	82·0	41.58	82·6	.0296	.8056	19.16.2	R	4 12 ,,
13	26.149	18.58	82.0	41.58	82.6	.0315	.8056	19.15.9	L	5 12 ,,
14	26.629	18.49	81.7	41·59	82.4	·0301	.8057	19.16·3	L	6 12 ,,
15	26.904	18·79	81.0	41·58	81·9	.0350	.8056	19.15.5	L	7 12 ,,
16	25.943	19.19	81.0	41.57	81.8	·0415	.8055	19.14.6	L	8 12 ,,
17	25.737	19.77	81.0	41.58	81.2	.0511	.8056	19.13·5	C	9 12 ,,
18	25.394	19.84	81.7	41.54	81.9	.0522	.8051	19.13·1	C	10 12 ,,
19	23.746	19.91	82.0	41.41	82·0	.0533	.8037	19.12.5	C	11 12 ,,
20	24.021	20.05	82.0	41.36	82.0	·0556	.8032	19.11.8	C	Noon.
21	23.060	20.04	81.8	41.36	82·0	.0555	.8032	19.11·8	R	1 12 p. m.
22	22.444	19.94	81.9	41.34	82.0	.0538	.8029	19.12.0	R	2 12 ,,
23	22.787	19.70	82.3	41.36	82.1	.0499	.8032	19.12.6	R	3 12 ,,
JULY 6TH-Noon.	23.473	19.44	82.7	41.39	82.4	.0457	.8035	19.13.3	R	4 12 ,,
1	24.021	19·20	82.4	41.49	82·2	.0417	.8046	19.14.2	L	5 12 ,,
2	25.189	19.01	82.2	41.57	82.2	.0386	·8055	19.15.0	L	6 12 ,,
3	24.707	18.85	82.0	41.50	82.1	.0359	·8047	19.15.1	L	7 12 ,,
4	25.356	19.29	82.1	41.57	82.2	.0432	.8056	19.14.5	L	8 12 ,,
5	24.776	18.89	82.2	41.57	82.4	.0366	.8056	19.15.3	C	9 12 ,,
6	24.637	18.83	82.1	41.62	82.3	.0356	.8060	19.15.5	C	10 12 ,,
7	24.295	18.89	81.9	41.64	82.2	.0366	.8062	19.15.4	C	11 12 ,,
8	24.502	18.94	82.1	41.72	82.4	.0374	.8071	19.15.8	C	Midnight.
9	24.846	18.90	82.0	41.77	82.4	.0367	·8077	19.16.1	R	1 12 a. m.
10	24.846	18.94	82.0	41.78	82.5	.0374	.8078	19.16·1	R	2 12 ,,
11	24.846	18.94	82.0	41.78	82.5	.0374	.8078	19.16.1	R	3 12 ,,
12	25.051	18·96	82.0	41.78	82.5	.0377	.8078	19.16.0	R	4 12 ,,
13	25.257	19.04	82.0	42.03	82.5	.0391	·8105	19.16.9	L	5 12 ,,
14	26.561	19.18	82.0	42.07	82.4	.0413	.8110	19·16.9	L	6 12 ,,
15	27.315	19.45	82.0	42.07	82.4	.0458	.8110	19.16·2	L	7 12 ,,
16	26.629	19.43	82.6	41.96	82.7	.0520	.8097	19.14.9	L	8 12 ,,
17	25.669	20.30	83.0	41.74	83.0	.0597	.8073	19.12.9	C	9 12 ,,
18	24.226	20.69	83.3	41·54	83.1	.0661	.8051	19.12.1	C	10 12 ,,
19	23.473	20.93	83.5	41.52	83.2	.0700	.8049	19.10.7	C	11 12 ,,
20	22.444	20.94	83.7	41.49	83·3	.0702	.8046	19.10.6	C	Noon.
21	22.237	20.81	83.9	41.48	83.9	.0681	.8045	19.10·9	R	1 12 p. m.
22	22.923	20.37	83.6	41.52	84.0	.0609	·8049	19.11.9	R	2 12 ,,
23	24.021	20.16	83·6	41.51	83.8	.0574	.8048	19·12.4	R	3 12 ,,
JULY 8TH-Noon.	23.335	19.60	81.2	41.91	82.0	.0482	.8092	19.15.2	B	4 12 ,,
1	24.090	19.43	80.9	41.99	81.8	.0455	·8101	19.15.8	B	5 12 ,,
2	25.532	19.14	80.2	42.10	81.5	.0407	.8102	19·16·5	B	6 12 ,,
3	24.226	19.27	80.1	41.99	81.0	.0445	.8101	19.15.9	B	7 12 ,,
4	24.090	19.35	80.4	42.03	81.1	·0458	.8105	19.16·0	B	8 12 ,,
5	23.816	19.47	80.8	42.01	81.1	.0478	.8103	19.15.7	C	9 12 ,,
6	24.090	19.56	80.9	42.10	81.2	.0492	·8113	19.15.9	C	10 12 ,,
7	23.884	19.53	80.9	42·24	81.4	.0487	.8128	19.16.5	C	11 12 ,,
8	24.159	19.40	80.8	42.34	81.4	.0466	.8139	19.17·2	C	Midnight.
9	24.226	19.44	80.9	42.34	81.4	.0473	.8139	19.17.2	R	1 12 a. m
10	24.363	19.46	80.9	42.43	81.5	.0476	.8149	19.17.5	R	2 12 ,,
11	24.502	19.46	80.9	42.42	80.5	.0476	.8188	19.17.5	R	3 12 ,,

On the 5th, at about 19h. 15m., Dip as obtained by Observation was 19°06'8.

DAILY OBSERVATIONS, FROM 8TH TO 10TH JULY 1860.

Date. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1860.
h.										h. m.
July 8th—12	24·846	19.36	80·5	42.51	81·0	8.0460	2.8158	19°18·1	R	4 12 a. m.
13	25.051	19.42	80.4	42.57	80.8	.0469	.8165	19.18.2	B	5 12 „
14	26.835	19.56	80·6	42.61	81.1	.0492	.8169	19.18.0	B	6 12 „
15	28.619	19.87	81.0	42.60	81.2	.0527	.8168	19.17.5	B	7 12 „
16	28.893	19.81	80.2	42.58	80.9	·0517	.8166	19.17.5	B	8 12 „
17	27·933	20.19	80.0	42.53	80.6	.0569	.8160	19.16.7	C	9 12 „
18	25.943	20.44	80.1	42.50	80.7	.0621	.8157	19.16.0	C	10 12 „
19	24.502	20.45	80.0	42.48	80.6	.0622	.8155	19.15.9	C	11 12 „
20	22.581	20.25	79.9	42.42	80.2	.0589	.8147	19·16.0	C	Noon.
21	21.758	20.45	80.0	42.50	80.0	.0622	.8157	19.16.0	R	1 12 p. m.
22	23.130	20.26	79.9	42.50	80.0	.0591	.8157	19·16.4	R	2 12 „
23	23.267	19.94	79.9	42.57	80.0	.0538	.8165	19.17.3	R	3 12 „
July 9th—Noon.	23.404	19.74	80.5	42.42	80.6	.0506	.8148	19.17.1	R	4 12 „
1	24.776	19.37	80.5	42.42	80.8	.0445	.8148	19.17·8	L	5 12 „
2	25.257	19.45	80.0	42.30	80.5	.0458	.8135	19.17.2	L	6 12 „
3	23.953	19.42	80.0	42.23	80.3	.0453	.8127	19.17.0	L	7 12 „
4	23.609	19.46	80·1	42.26	80.4	.0460	.8131	19.17.0	L	8 12 „
5	23.953	19.49	80.0	42.21	80·4	.0465	.8125	19.16.7	C	9 12 „
6	24.090	19.54	80.1	42.24	80.5	.0473	.8128	19.16.8	C	10 12 „
7	24.090	19.53	80.3	42.02	80.6	.0471	·8104	19.15.8	C	11 12 „
8	24.159	19.56	80.2	42·07	80.7	.0476	.8110	19.16.0	C	Midnight.
9	23.816	19.58	80.0	42.11	80.2	.0479	.8114	19·16.1	R	1 12 a. m.
10	24.159	19.50	80.0	42.14	80.5	.0466	.8117	19.16.4	R	2 12 „
11	24.295	19.55	80.4	42.07	80.7	.0474	.8110	19.16.1	R	3 12 „
12	24.502	19.49	80.5	42.11	80.7	.0465	.8114	19.16.2	R	4 12 „
13	24.846	19.49	80.5	42.10	80.8	.0465	.8113	19.16.2	L	5 12 „
14	26.012	19.62	80.6	42.11	80.9	.0485	.8114	19.15.9	L	6 12 „
15	27.109	19.67	80.3	42.18	80.9	.0494	.8122	19.16.2	L	7 12 „
16	28.481	19.92	80.6	42.18	80.9	.0534	.8122	19.15.7	L	8 12 „
17	27.452	20.07	81.0	42.07	81.1	.0560	.8110	19.14.9	C	9 12 „
18	24.707	20.59	81.8	42.06	81.9	·0645	.8109	19.13.6	C	10 12 „
19	22.718	20.74	82.1	42.02	82.1	.0670	.8104	19·13.2	C	11 12 „
20	21.688	20.68	82.4	41.96	82.5	.0659	.8098	19.13.1	C	Noon.
21	21.826	20.58	82.1	41.98	82.5	.0643	.8091	19.13.1	R	1 12 p. m.
22	22.854	20.43	82.9	42.04	83.0	.0619	.8106	19.13.9	R	2 12 „
23	23.335	20.15	83.0	42.02	83.0	.0572	.8104	19.14.5	R	3 12 „
July 10th—Noon.	23.473	19.88	83.0	41.99	83.0	.0528	.8101	19.15.0	R	4 12 „
1	23.816	19.90	82.9	42.04	83.1	.0531	.8106	19.15.2	B	5 12 „
2	24.021	19·82	82.5	42.04	83.0	.0518	.8106	19·15.2	B	6 12 „
3	23·540	19.90	82.3	41.94	83.0	.0531	.8095	19·14.7	B	7 12 „
4	23.198	19.67	82.0	41.98	82.5	.0494	.8100	19.15.0	B	8 12 „
5	23.198	19.68	81.9	42.00	82.5	.0495	.8102	19.15.3	C	9 12 „
6	23.473	19.82	81.8	42.08	82.5	·0518	.8111	19.15.4	C	10 12 „
7	24.021	19.72	81.8	42.05	82·4	.0502	.8109	19.15.6	C	11 12 „
8	24·159	19.88	81.8	42.38	82.5	.0528	.8144	19.16.6	C	Midnight.
9	24.776	19.62	81.7	42.42	82.4	.0485	.8148	19.16·3	R	1 12 a. m.
10	24.776	19.74	81.7	42.42	82.4	.0506	.8148	19.17.1	R	2 12 „
11	24.846	19.77	81.6	42.44	82.3	.0511	.8150	19.17.2	R	3 12 „
12	24.846	19.75	81.7	42.39	82.2	.0507	.8145	19.17.0	R	4 12 „
13	24.983	19.77	81.6	42.39	82.2	.0511	.8145	19.17.0	B	5 12 „
14	25.600	20.21	81.5	42.42	82.2	.0583	.8148	19.16.2	B	6 12 „
15	26.012	20.15	81.3	42.44	82.1	·0572	·8150	19.16.4	B	7 12 „
16	26.561	20.46	82.5	42·43	82.5	.0624	.8149	19.15.6	B	8 12 „
17	26·149	20·82	83.1	42.34	83.1	·0682	.8139	19.14.5	C	9 12 „
18	24.983	20.95	83.6	42.27	83.7	.0703	.8132	19.13.9	C	10 12 „
19	24.502	20.83	82.7	42.19	83.1	·0684	.8123	19.13.9	C	11 12 „
20	24.159	20.81	82.0	42.15	82.7	.0681	.8119	19.13·7	C	Noon.
21	23.609	20.85	83.0	42.25	83.2	.0687	.8130	19.14.0	R	1 12 p. m.
22	24.090	20·74	84.4	42.33	84.2	.0670	.8138	19.14.6	R	2 12 „
23	24.846	20.41	84.7	42.25	85.0	.0616	.8130	19.14.9	R	3 12 „

On the 9th, at about 19h. 45m., Dip as obtained by Observation was 19°05'6.

DAILY OBSERVATIONS, FROM 11TH TO 13TH JULY 1860.

DATE. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. — In English Units.	Absolute Vertical Force. — In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1860.
h.										h. m.
JULY 11TH-Noon.	25'189	20.23	84°6	42.17	85°5	8.0586	2.8121	19°14'9	R	4 12 p. m.
1	24.707	20.26	84.5	42.07	85.5	·0591	.8110	19.14.5	B	5 12 ,,
2	24.226	20·11	84.2	42.04	85.2	.0566	.8106	19.14.7	B	6 12 ,,
3	23.130	20.06	83.6	41.89	84.7	.0558	.8090	19.14.1	B	7 12 ,,
4	22.787	19.98	83.3	41.92	84·5	.0544	.8093	19.14.5	B	8 12 ,,
5	23.060	19.98	83.1	41.85	84.0	.0544	.8086	19.14·2	C	9 12 ,,
6	23·473	19.86	83.0	41.82	84.0	.0525	.8082	19.14.1	C	10 12 ,,
7	24.021	19.84	83.0	41.84	83.9	.0522	·8084	19.14.3	C	11 12 ,,
8	24.159	19·84	83.0	41.87	83.9	.0522	.8088	19.14.5	C	Midnight.
9	24.639	19.79	82.7	41.86	83.6	.0514	.8087	19.14.7	R	1 12 a. m.
10	24·846	19.84	82.5	41.88	83.4	.0522	.8089	19.14.5	R	2 12 ,,
11	24·707	19.74	82.4	41.89	83.3	.0506	.8090	19.14.8	R	3 12 ,,
12	25.532	21.08	82.4	41.89	83.1	.0725	.8090	19.11.9	R	4 12 ,,
13	25.189	20.90	82.4	41.64	83.0	.0695	.8062	19.11.1	B	5 12 ,,
14	26.561	20.91	81·8	41.59	83·0	·0697	·8057	19·11.1	B	6 12 ,,
15	26.698	20.31	82.3	41.64	83.0	·0763	.8062	19.10.3	B	7 12 ,,
16	27·718	21.19	83·0	41 65	83.2	·0743	.8064	19.10.7	B	8 12 ,,
17	25.945	21.02	82.6	41.58	83.3	·0715	.8056	19.10.7	C	9 12 ,,
18	24.639	21.43	84.1	41.57	84.0	·0785	.8054	19.09.7	C	10 12 ,,
19	23.540	21.20	85.1	41.53	84.9	.0745	.8050	19.10.1	C	11 12 ,,
20	22.649	21.68	85.7	41.36	85.3	.0823	.8032	19.08.4	C	Noon.
21	24.099	20.08	85.7	41.48	86.0	.0561	.8045	19.12.4	R	1 12 p. m.
22	23.746	19.69	86.0	41.49	86.4	.0497	.8046	19.13.3	R	2 12 ,,
23	24.226	19.55	86.3	41.60	86.8	.0474	.8058	19.14.1	R	3 12 ,,
JULY 12TH-Noon.	24.570	19.26	86.0	41.63	86.9	.0427	.8061	19·14.6	R	4 12 ,,
1	23.816	18.96	85.5	41.65	86.6	.0377	.8064	19.15.4	B	5 12 ,,
2	24.363	18.79	85.0	41.71	86.4	.0350	.8070	19.16.0	B	6 12 ,,
3	23.816	18.66	84.3	41.76	85.9	.0328	.8076	19.16.5	B	7 12 ,,
4	24.707	19.14	84.1	41.81	85.2	.0407	.8081	19.15.7	B	8 12 ,,
5	24.226	18.90	83.9	41.80	85.0	.0367	.8080	19.16.2	C	9 12 ,,
6	24.090	19.02	83.7	41·89	84.7	.0387	.8090	19.16.3	C	10 12 ,,
7	24.570	19.08	83.5	41.90	84.6	.0397	.8091	19.16.2	C	11 12 ,,
8	24.846	19.09	83.3	41.95	84.3	.0399	.8097	19.16.5	C	Midnight.
9	25.394	19.19	83.0	41.98	84.2	.0415	.8100	19.16.3	R	1 12 a. m.
10	25.326	19.28	83·0	41.84	84.0	·0430	.8084	19.15.5	R	2 12 ,,
11	25.532	19.35	83.0	41·52	84.0	·0441	.8049	19.14.1	R	3 12 ,,
12	25.532	19.34	82.9	41.51	83.7	.0440	.8048	19.14.1	R	4 12 ,,
13	25.737	19.49	82.7	41.56	83.6	.0465	.8054	19.13.9	B	5 12 ,,
14	27.178	19·43	82.6	41.61	83.6	.0455	.8059	19.14.2	B	6 12 ,,
15	27.521	19.55	83.0	41.66	83.6	.0474	·8065	19.14.3	B	7 12 ,,
16	27.658	19.80	83.5	41.67	84.0	.0515	.8066	19.13.6	B	8 12 ,,
17	27.178	20.22	84.6	41.59	84.5	.0584	.8057	19.12.7	C	9 12 ,,
18	26·080	20.43	85.2	41.55	85.0	.0619	.8053	19.11.9	C	10 12 ,,
19	24·502	20.68	86.0	41.51	85.6	.0659	.8048	19·11.2	C	11 12 ,,
20	24·846	20.74	86.5	41.49	86.3	.0670	.8046	19.11.0	C	Noon.
21	24.502	20.66	86·7	41.50	86.8	.0656	.8047	19.11.2	R	1 12 p. m.
22	24.021	20.54	86.8	41.41	87.0	.0637	.8037	19.11.1	R	2 12 ,,
23	24.090	20.29	86.9	41.43	87.7	.0596	.8039	19.11.6	R	3 12 ,,
JULY 13TH-Noon.	24.090	20.13	86.9	41.34	87·9	.0569	.8029	19.11.6	R	4 12 ,,
1	24·363	19.87	86.8	41.34	87.2	.0527	.8029	19.12.1	B	5 12 ,,
2	25.257	19.54	85.7	41.33	87.0	.0473	.8028	19.12.9	B	6 12 ,,
3	24.432	19.33	85.1	41.34	86.4	·0438	.8029	19.13.3	B	7 12 ,,
4	24.226	19.38	84.9	41.33	86.1	.0446	.8028	19.13·1	B	8 12 ,,
5	24.295	19.33	84.6	41.35	85.8	.0438	.8031	19.13.4	C	9 12 ,,
6	24.639	19.28	84.4	41.38	85·4	.0430	.8034	19.13.6	C	10 12 ,,
7	24.226	19.27	84.0	41.41	85 1	.0429	.8037	19.13.8	C	11 12 ,,
8	24.432	19.40	84.0	41.43	85.0	.0450	.8039	19.13.5	C	Midnight.
9	24.295	19.39	83.9	41.43	85.0	.0448	.8039	19.13.7	R	1 12 a. m.
10	24.432	19.45	83.8	41.54	84.7	.0458	.8051	19.14.9	R	2 12 ,,
11	24.021	19.44	83.7	41·64	84.5	.0457	.8062	19.13.2	R	3 12 ,,

On the 12th, at about 19h., Dip as obtained by Observation was 19°07'5.

DAILY OBSERVATIONS, FROM 13TH TO 16TH JUNE 1860.

Date. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1860.
h.										h. m.
July 13th—12	24'159	19.42	83°5	41.64	84°0	8.0453	2.8062	19°14'3	R*	4 12 a. m.
13	24.502	19.44	83.2	41.62	84.0	.0457	.8060	19.14.2	B	5 12 „
14	26.218	19.45	83.2	41.62	84.0	.0458	.8060	19.14.2	B	6 12 „
15	26.629	19.64	83.4	41.66	84·1	.0489	.8065	19.14.0	B	7 12 „
16	26.149	20.01	83.9	41.68	84.3	.0550	.8067	19.13.3	B	8 12 „
17	25.502	20.44	84.6	41.63	85.0	.0621	.8061	19.12.1	C	9 12 „
18	25.120	20.64	85.1	41.56	85.2	.0653	.8054	19.11.5	C	10 12 „
19	24.295	20.79	86.0	41.50	86.0	.0678	.8047	19.11.0	C	11 12 „
20	22.991	20.70	86.3	41.46	86·5	·0663	·8043	19.11.1	C	Noon.
21	22.581	20.70	86.7	41.41	87.0	.0663	.8037	19.10.8	R	1 12 p. m.
22	21.826	20.37	86.3	41.34	87.0	.0609	.8029	19.11.1	R	2 12 „
23	23.473	20.12	85.4	41.39	86.3	.0567	.8035	19.11.9	R	3 12 „
July 15th-Noon.	24·707	20.41	85.0	41·67	85·6	.0616	.8066	19.12.3	B	4 12 „
1	24.846	20.07	84.8	41.67	85.6	.0560	.8066	19.13.1	B	5 12 „
2	24.363	19·88	84.3	41.71	85.2	.0528	.8070	19.13.7	B	6 12 „
3	24.159	19.77	84.0	41.65	85.0	.0511	·8064	19.13.7	B	7 12 „
4	23.677	19.71	83.8	41.74	84.8	.0501	.8073	19.14.2	B	8 12 „
5	23.816	19.75	83.8	41.62	84.6	.0507	.8060	19.13.6	C	9 12 „
6	23.677	19.71	83.4	41·55	84;4	.0501	.8053	19.13.5	C	10 12 „
7	23.816	19.81	83.4	41.60	84.2	.0517	.8058	19.13.4	C	11 12 „
8	24.090	19.78	83.2	41.62	84.1	.0512	.8060	19.13.6	C	Midnight.
9	24.159	19.78	83.2	41.61	83.7	.0512	.8059	19.13.6	R	1 12 a. m.
10	24.570	19.65	82.5	41.59	83.1	.0490	.8057	19.13.8	R	2 12 „
11	23.677	19.87	82·0	41.60	82·6	.0527	.8058	19·13.3	R	3 12 „
12	24.570	19·77	82.0	41.68	82.6	.0511	.8067	19.13.9	R	4 12 „
13	25.120	19·80	82.2	41.84	82.9	.0515	.8084	19.14.3	B	5 12 „
14	25.895	19.79	82.2	41.91	82·9	·0514	.8092	19.14.8	B	6 12 „
15	27·109	19.86	82.3	41.89	82.9	.0525	.8090	19.14.5	B	7 12 „
16	26.492	20.09	82.5	41.89	82.9	.0563	.8090	19.14.1	B	8 12 „
17	25.875	20.41	83.0	41.85	83.0	.0616	.8086	19.13.1	C	9 12 „
18	24.914	20.50	82.8	41.79	83.0	.0630	.8079	19.12.7	C	10 12 „
19	23.963	20.66	82.0	41.73	82.6	.0656	.8072	19.12.0	C	11 12 „
20	23.540	20.77	82.6	41.86	82.6	.0675	.8087	19.12.5	C	Noon.
21	22.512	20.54	82.4	41·84	83.0	.0637	·8084	19.12.8	R	1 12 p. m.
22	22·787	20.49	82.7	41.89	83.0	.0629	.8090	19.13.2	R	2 12 „
23	24.159	20.19	83.3	41.95	83.2	.0579	.8097	19.14.2	R	3 12 „
July 16th-Noon.	25.189	19.96	83.3	41.95	83.3	.0541	.8097	19.14.7	R	4 12 „
1	25.326	19.89	83·3	41.95	83.4	·0530	.8097	19.14.8	B	5 12 „
2	25.189	19.79	83.2	41.90	83.4	.0514	.8091	19.14.8	B	6 12 „
3	24.021	19.79	83.0	41·90	83.4	·0514	.8091	19.14.8	B	7 12 „
4	23.540	19.64	83.0	41.93	83.5	.0489	.8094	19·15.1	B	8 12 „
5	23 335	19.70	83.0	41.96	83.5	.0499	.8098	19.15.2	C	9 12 „
6	23.473	19.72	82.9	41.96	83.5	.0502	.8098	19.15.2	C	10 12 „
7	23.677	19.82	82.9	41.96	83.5	.0518	.8098	19.14.9	C	11 12 „
8	23.746	19.89	82·9	41·96	83.4	.0530	.8098	19·14.8	C	Midnight.
9	23.816	19.81	82.7	41.90	83.3	.0517	.8091	19.14.6	R	1 12 a. m.
10	23·816	19.91	82.7	42.00	83.2	.0533	.8102	19.14.9	R	2 12 „
11	24.226	19·87	82.6	42.04	82.0	.0527	.8106	19.15.1	R	3 12 „
12	24.295	19.93	82.4	42.09	82.0	.0536	.8112	19.15.2	R	4 12 „
13	24.846	19.90	82.2	42.09	82·0	.0531	.8112	19.15.3	B	5 12 „
14	26.835	19·82	82.2	42.09	82.0	.0518	.8112	19.15.3	B	6 12 „
15	27.658	20.07	81.5	42.07	82·3	.0560	.8110	19.14.9	B	7 12 „
16	27.247	20.65	82.2	42.13	82.6	·0654	.8116	19.13.9	B	8 12 „
17	26.835	20.96	83.1	42.05	83.0	.0706	.8108	19.12.9	C	9 12 „
18	25.600	21.10	83.6	42.08	83.4	.0728	.8111	19.12.7	C	10 12 „
19	24.502	20.94	83.9	42.06	83.7	.0702	.8109	19.13.0	C	11 12 „
20	24.021	20.90	83.9	42·04	83.9	.0695	.8106	19.12.9	C	Noon.
21	23.130	20.65	83.6	42.07	83.9	.0656	.8110	19.13.7	R	1 12 p. m.
22	23.816	20.28	82.7	42.06	83.5	.0590	.8109	19.14.4	R	2 12 „
23	24.502	20.14	83.0	42.11	83.5	·0571	.8114	19.14.9	R	3 12 „

On the 13th, at about 19h., Deflection Observations were taken.
On the 16th, at about 19h., Dip as obtained by Observation was 19°00'6.

DAILY OBSERVATIONS, FROM 17TH TO 19TH JULY 1860.

Date. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1860.
h.										h. m.
July 17th-Noon.	24·983	19.90	83°6	42.12	83°9	8.0538	2.8115	19°15′4	R	4 12 p. m.
1	25.600	19.84	83.5	42.12	83.9	.0522	.8115	19.15.6	B	5 12 ,,
2	24.914	19.82	83.4	42.03	83.6	.0518	.8105	19.15.2	B	6 12 ,,
3	24.226	19.58	83.1	42.06	83.6	.0479	.8109	19.15.9	B	7 12 ,,
4	24.090	19·54	83.0	42.05	83.4	·0476	.8108	19.15.9	B	8 12 ,,
5	24.090	19.45	83.0	42.08	83.4	.0458	.8111	19.16.2	C	9 12 ,,
6	24.159	19.47	83.0	42.09	83.5	.0462	.8112	19·16.2	C	10 12 ,,
7	24.090	19.54	83.0	42.28	83.8	.0476	.8133	19.16.9	C	11 12 ,,
8	24.090	19.54	83.0	42.25	83.4	.0476	.8130	19.16.8	C	Midnight.
9	24.159	19·52	82.9	42.30	83.4	.0469	.8135	19.17·1	R	1 12 a. m.
10	23.816	19.49	82.7	42.22	83.3	.0465	.8126	19.16.8	R	2 12 ,,
11	23.884	19.50	82.6	42.26	83.1	.0466	.8131	19.16.9	R	3 12 ,,
12	23.473	19.68	82.6	42.26	83·2	.0495	.8131	19.16.5	R	4 12 ,,
13	24.090	19·69	82.6	42.25	83.0	.0497	·8130	19.16.4	B	5 12 ,,
14	26.012	19.72	82.1	42.24	83·0	.0502	.8128	19.16.4	B	6 12 ,,
15	26.218	19.57	81.2	42.22	82.3	.0478	.8126	19.16.6	B	7 12 ,,
16	25.532	20.07	80.7	42.24	82.4	.0560	.8128	19.15.6	B	8 12 ,,
17	24.159	20.08	80.9	42.25	81.5	.0561	.8130	19.15.7	C	9 12 ,,
18	22.581	20.36	81.6	42.31	82.0	.0607	.8135	19.15·3	C	10 12 ,,
19	21.963	20.59	82.6	42.32	82.5	.0645	.8137	19·14.8	C	11 12 ,,
20	21.071	20.61	83.6	42·29	83.1	.0648	.8134	19.14.6	C	Noon.
21	20.247	20.48	84.5	42.30	83.9	·0627	.8135	19.15.0	R	1 12 p. m.
22	20.385	20.43	84·9	42.31	85.0	.0619	.8136	19.15.1	R	2 12 ,,
23	21.415	20.11	85.0	42.25	85.1	.0566	.8130	19.15.6	R	3 12 ,,
July 18th-Noon.	22.512	19.91	85.0	42.21	85.2	.0533	.8125	19.15.9	R	4 12 ,,
1	23.267	19.82	84.5	42·17	85.1	.0518	.8121	19.15.8	L	5 12 ,,
2	24.226	19.78	83.9	42.14	84.5	.0512	.8117	19.15.9	L	6 12 ,,
3	23.677	19.64	83.0	42.14	83.9	.0489	.8117	19.16.1	L	7 12 ,,
4	23.746	19.62	83.1	42.17	83.9	.0485	.8121	19.16.2	L	8 12 ,,
5	23.677	19.61	83.1	42.17	83.9	.0484	.8121	19.16.4	C	9 12 ,,
6	23.953	19.64	83.0	42.16	83.8	.0489	.8120	19.16.2	C	10 12 ,,
7	24.159	19.68	82.4	42.19	83·1	.0495	.8123	19.16·2	C	11 12 ,,
8	24.159	19.75	82.1	42.25	83.0	.0507	.8130	19.16.3	C	Midnight.
9	23.677	19.92	82.3	42·27	83.0	.0534	.8132	19.16·1	R	1 12 a. m.
10	24.090	19.84	82.5	42·29	83.0	.0522	.8134	19·16.3	R	2 12 ,,
11	24.776	19.85	81.1	42.33	82.6	.0523	.8134	19.16.5	B	3 12 ,,
12	24.363	19.66	80.9	42.28	82.1	.0492	.8133	19.16.7	B	4 12 ,,
13	25.394	19.94	80.9	42.30	82.0	.0538	·8135	19.16.2	C	5 12 ,,
14	26.423	20.04	80.5	42·33	81.7	.0555	.8138	19.16.0	C	6 12 ,,
15	27.727	19.99	80.2	42.29	81.4	.0546	.8134	19.15.9	R	7 12 ,,
16	27.590	19.82	80.4	42.25	81.0	.0518	.8130	19.16·2	R	8 12 ,,
17	26.012	20.33	81.3	42.28	81.3	.0602	.8133	19.15.3	B	9 12 ,,
18	25.326	20.71	82.0	42.31	81.9	.0665	.8136	19.14.5	B	10 12 ,,
19	23.540	20.90	82.9	42.26	82.7	.0695	.8131	19.13.9	C	11 12 ,,
20	22.718	20.79	83.0	42.29	83.0	·0678	.8134	19.14.3	C	Noon.
21	21.415	20.58	82.2	42.28	82.6	.0643	.8133	19.14.8	R	1 12 p. m.
22	21.208	20.03	82.0	42.31	82.5	.0553	.8136	19.16.0	R	2 12 ,,
23	24.159	18.92	80.9	42.31	81.6	.0370	.8136	19·18.4	B	3 12 ,,
July 19th-Noon.	25.120	19.34	81.6	42.36	82.0	.0440	.8142	19.17.7	B	4 12 ,,
1	25.532	19.32	81.5	42.34	82·0	.0436	.8139	19.17.6	C	5 12 ,,
2	24.707	19·46	81.0	42.32	81.8	.0460	·8137	19·17.3	C	6 12 ,,
3	23.267	19.40	81.0	42.31	81.8	.0450	.8136	19.17.3	R	7 12 ,,
4	23.130	19.53	80.7	42.35	81·5	.0471	.8141	19.17.3	R	8 12 ,,
5	23.198	19.69	80.5	42.32	81.3	.0497	·8137	19.16.8	B	9 12 ,,
6	23.473	19.82	80.4	42.42	81.3	.0518	.8148	19.16.9	B	10 12 ,,
7	23.677	20.03	80.7	42.41	81.1	.0553	.8147	19.16.5	C	11 12 ,,
8	24.090	19·73	80.8	42·43	81.1	0504	.8149	19.17.2	C	Midnight.
9	24.502	19.66	80.6	42.43	81.0	.0492	.8147	19.17.3	R	1 12 a. m.
10	24.639	19.73	80.5	42.44	81.2	.0504	·8150	19.17.3	R	2 12 ,,
11	24·707	19.39	80.5	42.43	81.1	.0448	.8149	19.17.8	R	3 12 ,,

DAILY OBSERVATIONS, FROM 19TH TO 22ND JULY 1860.

DATE. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. — In English Units.	Absolute Vertical Force. — In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1860.
h.										h. m.
JULY 19TH—12	24°846	19.74	80°4	42.69	81°0	8.0506	2.8178	19°18'2	R.	4 12 a. m.
13	24.776	20.76	80.5	42.79	81.2	.0573	.8189	19.16.5	B	5 12 ,,
14	26.698	20.60	80.3	42.81	81.0	.0646	.8191	19 16.8	B	6 12 ,,
15	28.824	19.95	80.3	42.84	80.8	.0539	.8194	19.18.4	B	7 12 ,,
16	28.619	20.05	80.3	42.82	80.5	.0556	.8192	19.18.0	B	8 12 ,,
17	26.355	20.19	80.5	42.80	80.6	.0579	.8190	19.17.8	C	9 12 ,,
18	24.363	20.38	80.1	42.80	80.5	.0610	·8190	19.17 4	C	10 12 ,,
19	23.198	20.60	80.0	42.76	80.5	.0646	.8186	19.16.6	C	11 12 ,,
20	21.758	20.49	80 0	42.78	80.5	.0629	.8188	19.17.0	C	Noon.
21	21.071	20.29	80.2	42.76	80.6	.0596	.8186	19.17.3	R	1 12 p.m.
22	20.796	19.95	80·0	42.76	80.5	.0539	.8186	19.18.1	R	2 12 ,,
23	21.208	19.75	80.0	42.74	80.5	.0507	.8183	19.18.4	R	3 12 ,,
JULY 20TH-Noon.	21·619	19·63	80.4	42.76	80.5	.0487	.8186	19.18.7	R	4 12 ,,
1	23.168	19.75	80.9	42.78	81.1	·0507	.8188	19.18.6	B	5 12 ,,
2	23.746	19.71	80.8	42.78	·81.0	.0501	.8188	19.18.7	B	6 12 ,,
3	23.953	19.58	80.4	42.75	81.0	·0479	.8185	19.18.9	B	7 12 ,,
4	23.953	19.54	80.4	42.78	81.0	.0473	.8188	19.19.1	B	8 12 ,,
5	24.026	19.37	80.4	42.78	81.0	.0445	·8188	19.19.3	C	9 12 ,,
6	24.846	19.54	80.0	42.22	80.7	.0473	.8126	19.16.7	C	10 12 ,,
7	24.639	19.47	80.1	42.02	80.6	·0462	.8104	19.15.9	C	11 12 ,,
8	24.846	19.40	80.1	42.14	80.7	·0450	.8117	19.16.6	C	Midnight.
9	24.983	19.45	80.3	42.12	80.6	.0458	.8115	19.16.4	R	1 12 a. m.
10	25.326	19.50	80.5	42.13	81.0	.0466	.8116	19.16.3	R	2 12 ,,
11	25.326	19.42	80.6	42.13	81.0	·0453	.8116	19.16.5	R	3 12 ,,
12	25.463	19.45	80.7	42.13	81.0	·0458	.8116	19.16.4	R	4 12 ,,
13	25.806	19.58	80.7	42.09	81.4	·0479	.8112	19.16.0	B	5 12 ,,
14	27.178	19.71	80·9	42.09	81.3	.0501	.8112	19.15.7	B	6 12 ,,
15	28.481	20.01	81.0	42.06	81.2	.0550	.8109	19.14.9	B	7 12 ,,
16	27.658	20.67	81.2	42·04	81.4	.0658	.8006	19.13·4	B	8 12 ,,
17	25.257	20.84	81.8	41.96	81.9	.0686	.8098	19.12.7	C	9 12 ,,
18	23.060	20.96	83.1	41.91	82.9	.0705	.8092	19.12.2	C	10 12 ,,
19	21.071	21.05	83.7	41.85	83.1	.0720	.8086	19.11.8	C	11 12 ,,
20	20.590	20.95	84.0	41.86	83.9	.0703	.8087	19.12.2	C	Noon.
21	21.276	20.43	83.8	41.82	84.0	.0619	.8082	19.12.9	R	1 12 p.m.
22	21.826	20.16	82.6	41.80	83.3	.0574	.8080	19.12.6	R	2 12 ,,
23	23.404	20.03	82.9	41.80	83.3	.0553	.8080	19.13.8	R	3 12 ,,
JULY 22ND-Noon.	22.374	20.12	84.3	41.50	85.0	.0567	.8047	19.12.4	B	4 12 ,,
1	23.267	19.94	84.1	41.47	85.0	.0538	.8044	19.12.6	B	5 12 ,,
2	24.295	19.71	83.8	41.40	84.9	.0501	.8036	19.12.9	B	6 12 ,,
3	24.707	19.74	83.2	41.41	84.2	.0506	.8037	19.12.8	B	7 12 ,,
4	23.884	19·67	83·0	41.42	84.0	.0494	.8038	19.13.0	B	8 12 ,,
5	24.021	19·55	82.5	41.46	83.5	.0474	.8043	19.13.5	C	9 12 ,,
6	23.884	19.56	82.4	41.47	83.1	.0476	.8044	19.13.4	C	10 12 ,,
7	23.816	19.65	82.4	41.54	83.0	.0490	.8051	19.13.5	C	11 12 ,,
8	24.090	19.65	82.4	41.53	83.0	.0490	.8050	19.13.5	C	Midnight.
9	24.432	19.59	82.0	41.59	83.0	.0481	.8057	19.14.0	R	1 12 a. m.
10	24.226	19.70	81.5	41.55	82.4	.0499	·8053	19.14.5	R	2 12 ,,
11	24.159	19.82	81.3	41.77	82.4	.0518	.8077	19.14.1	R	3 12 ,,
12	24.363	19.74	81.9	41·77	82.4	.0506	.8077	19.14.3	R	4 12 ,,
13	25.257	19.73	82.0	41.83	82.5	.0504	.8083	19·14.6	B	5 12 ,,
14	26.492	19·73	81.9	41·80	82.5	.0504	.8080	19.14.5	B	6 12 ,,
15	27.384	19.81	82.1	41.83	82.5	.0517	.8083	19.14.3	B	7 12 ,,
16	27.727	20.27	82.4	41.83	82.6	.0593	.8083	19.13.4	B	8 12 ,,
17	26.423	20.77	82.9	41.82	82.9	.0675	.8082	19.12.2	C	9 12 ,,
18	25.326	20.74	81·9	41.77	82.4	.0670	.8077	19.12.2	C	10 12 ,,
19	23.677	21.01	82.4	41.73	82.5	.0714	·8072	19.11.4	C	11 12 ,,
20	22.512	21.11	83.4	41.74	83.3	.0730	.8073	19.11·2	C	Noon.
21	21.758	21.07	84.3	41.76	84.0	.0724	.8076	19.11.6	R	1 12 p.m.
22	21.071	20.67	84.0	41.67	84·0	.0658	·8066	19.11.8	R	2 12 ,,
23	22.444	20.17	84.0	41.67	84.0	.0576	.8066	19.11.9	R	3 12 ,,

On the 19th, at about 19h. 15m., Dip as obtained by Observation was 19°08'1.
On the 20th, at about 19h. 45m., Deflection Observations were taken.

DAILY OBSERVATIONS, FROM 23RD TO 25TH JULY 1860.

DATE. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1860.
h.										h. m.
JULY 23RD-Noon.	23·540	19.82	83·7	41.67	84·0	8.0518	2.8066	19°13'6	R	4 12 p. m.
1	24.159	19.75	83.3	41.66	83.8	.0507	.8065	19.13.8	B	5 12 ,,
2	23.953	19.78	82.8	41.66	83·5	.0512	·8065	19.13.8	B	6 12 ,,
3	24·432	19.79	82.9	41.63	83.5	.0514	·8061	19.13.6	B	7 12 ,,
4	23.473	19.73	82.7	41.64	83.2	.0504	.8062	19.13.7	B	8 12 ,,
5	23.473	19.69	82.5	41.59	83.0	.0497	.8057	19.13.7	C	9 12 ,,
6	24.159	19.76	82.5	41.61	83.0	.0509	.8059	19.13.6	C	10 12 ,,
7	24.953	19·73	82.4	41.63	83.0	.0504	.8061	19.13.7	C	11 12 ,,
8	24 159	19.83	82.0	41.64	82·8	.0520	.8062	19.13.4	C	Midnight.
9	23 884	19.78	81.9	41.73	82.5	.0512	.8072	19·14.0	R	1 12 a. m.
10	23.746	19.75	81.8	41.77	82.4	.0507	.8077	19.14.3	R	2 12 ,,
11	23.540	19.94	81.9	41.77	82·4	.0536	.8077	19·13.9	R	3 12 ,,
12	23.953	19.86	81.8	41.77	82.3	.0525	.8077	19.14.0	R	4 12 ,,
13	24.570	19.87	82.0	41.79	82·3	.0527	.8079	19·14.0	B	5 12 ,,
14	26.972	19.79	82.1	41.81	82.4	.0514	.8081	19.14.4	B	6 12 ,,
15	27.521	19.97	82.1	41.82	82.5	.0543	.8082	19.14.0	B	7 12 ,,
16	27.658	20.19	82 3	41.78	82.5	.0579	.8078	19.13.4	B	8 12 ,,
17	26.561	20.67	82 6	41.71	82.9	.0658	.8070	19.12.0	C	9 12 ,,
18	24.502	21.00	83.5	41.60	83.3	.0712	.8058	19.11.0	C	10 12 ,,
19	23.198	21.04	83.0	41.57	83.1	.0719	.8055	19.10.7	C	11 12 ,,
20	21.826	21.08	83.8	41.61	83.8	.0725	.8059	19.10.7	C	Noon.
21	21.482	20.86	84.5	41.56	84.1	.0689	.8056	19.11.1	R	1 12 p. m.
22	21.895	20.37	84·3	41.53	84.2	.0609	.8050	19.12.0	R	2 12 ,,
23	22.101	20.18	84.3	41.53	84·3	.0577	.8050	19.12.4	R	3 12 ,,
JULY 24TH-Noon.	22.512	19.89	83.9	41.53	84.2	.0530	.8050	19.13.0	R	4 12 ,,
1	23.677	19 54	83 5	41.54	84.0	.0473	·8051	19.13.8	B	5 12 ,,
2	25.051	19·67	83.2	41.53	83.6	.0494	.8050	19.13.5	B	6 12 ,,
3	24.914	19.61	83.1	41.49	83.5	.0484	.8046	19.13.5	B	7 12 ,,
4	24.021	19.55	82.8	41.50	83.4	.0474	.8047	19·13.7	B	8 12 ,,
5	24.159	19.49	82.7	41.53	83.2	.0465	.8050	19.13.8	C	9 12 ,,
6	23.953	19.59	82.7	41.57	83.0	.0481	.8055	19.13.9	C	10 12 ,,
7	24.021	19.61	82.7	41.54	83.0	.0484	·8051	19.13.7	C	11 12 ,,
8	24.159	19.64	82.4	41.59	83.0	.0489	.8057	19 13.8	C	Midnight.
9	24.090	19.69	82.2	41.59	83.0	.0497	.8057	19.13.7	R	1 12 a. m.
10	24.159	19.65	82·2	41.59	82.9	.0490	.8057	19.13.8	R	2 12 ,,
11	24.090	19.69	82.1	41.48	82·7	.0497	.8045	19.13.2	R	3 12 ,,
12	24 226	19.66	82.0	41 58	82.7	.0492	.8056	19.13.7	R	4 12 ,,
13	24.502	19.67	82.0	41.60	82.7	.0494	.8058	19.13.8	B	5 12 ,,
14	25 394	19.77	82.0	41.63	82.7	.0511	.8061	19.13.6	B	6 12 ,,
15	26.012	20.03	82.1	41.60	82.8	.0553	.8058	19.13.0	B	7 12 ,,
16	26.149	20.28	82.3	41.64	82.9	.0594	·8062	19.12.5	B	8 12 ,,
17	25.189	20.76	83.1	41.60	83.2	.0673	.8058	19.11.5	C	9 12 ,,
18	23.677	21.13	84·0	41.52	83.9	.0733	.8049	19·10.3	C	10 12 ,,
19	22.237	21.13	84.6	41.49	84.7	.0733	.8046	19.10.2	C	11 12 ,,
20	22.032	21.20	85.4	41.43	85.0	.0745	.8039	19.09.6	C	Noon.
21	21.276	21.06	85.6	41.38	85.3	.0722	.8034	19.09.8	R	1 12 p. m.
22	19.973	20.61	84·8	41.35	85.0	.0648	·8021	19.10.2	R	2 12 ,,
23	20.247	20.28	83.8	41.37	84.2	.0594	.8033	19.11.5	R	3 12 ,,
JULY 25TH-Noon.	21.482	20.18	83.6	41.40	84.0	.0577	.8036	19.11·8	R	4 12 ,,
1	22.444	20.00	83.3	41.43	83.7	.0548	.8039	19.12.2	B	5 12 ,,
2	22.718	19.91	83.1	41.44	83·7	.0533	.8040	19.12.6	B	6 12 ,,
3	22.444	19.83	82.9	41.46	83.5	.0520	.8043	19.12.8	B	7 12 ,,
4	22.237	19 79	82.9	41.45	83.3	.0514	·8042	19.12.9	B	8 12 ,,
5	22.444	19.77	82·9	41·50	83.4	.0511	.8047	19.13.2	C	9 12 ,,
6	22·581	19.82	82.9	41.50	83.3	.0518	.8047	19.13.0	C	10 12 ,,
7	22.444	19.92	82.9	41.50	83.2	.0534	.8047	19.12.9	C	11 12 ,,
8	22.787	19.89	82.7	41.51	83·2	.0530	.8048	19.12.9	C	Midnight.
9	22.787	19.85	82.5	41.49	83.0	.0523	.8046	19 12.9	R	1 12 a. m.
10	22.787	19.84	82.5	41.54	83.0	.0522	.8051	19.13.1	R	2 12 ,,
11	22.787	19.85	82.5	41.58	83.0	.0523	.8056	19.13.3	R	3 12 ,,

On the 23rd, at about 19h. 15m., Dip as obtained by Observation was 19°07'5.

DAILY OBSERVATIONS, FROM 25TH TO 27TH JULY 1860.

Date. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1860.
h.										h. m.
July 25th—12	22·512	19.78	82·4	41.59	83·0	8.0512	2.8057	19°13·6	R	4 12 a. m.
13	22 718	19.81	82.5	41.59	83.0	.0517	.8057	19.13.4	B	5 12 „
14	23.473	19.85	82.5	41.61	83.0	.0523	.8058	19.13.4	B	6 12 „
15	24.226	20.03	82.5	41.59	83.0	·0553	.8057	19.13.0	B	7 12 „
16	24.226	20.41	82.8	41.59	83.0	.0616	.8057	19.12.1	B	8 12 „
17	23 609	20.87	83.2	41.54	83.1	.0694	.8051	19.10.9	C	9 12 „
18	22·444	21.39	83.9	41.47	83.6	.0776	.8044	19.09.5	C	10 12 „
19	21.002	21.46	84.3	41.44	84.1	.0788	.8040	19.09.2	C	11 12 „
20	19.424	21.53	85.0	41.40	84.9	.0799	.8036	19·08.9	C	Noon.
21	19.493	21.60	85.4	41.40	85·0	.0810	.8036	19.08.8	R	1 12 p. m.
22	20.042	21.31	85.2	41.38	85.1	.0763	.8034	19.09.3	R	2 12 „
23	20.728	20.83	85.0	41.35	85.1	.0684	.8031	19.10.3	R	3 12 „
July 26th-Noon.	21.345	20.51	84.5	41.35	85.0	.0632	.8031	19.10.9	R	4 12 „
1	22.026	20.27	84.2	41.39	84.6	.0593	.8035	19.11.6	B	5 12 „
2	22.787	20.05	83 9	41 38	84.4	.0556	.8034	19.10.9	B	6 12 „
3	22.305	19 96	83.4	41.34	83.9	.0541	.8029	19.12.0	B	7 12 „
4	22.305	19.86	83.3	41.40	83.9	.0525	.8036	19.12.4	B	8 12 „
5	22.305	19.83	83.1	41.37	83.9	.0520	.8033	19.12.3	C	9 12 „
6	22.512	19.79	83.0	41.40	83.9	.0514	.8036	19.12.7	C	10 12 „
7	22.787	19.82	83.0	41.41	83.8	.0518	.8037	19 12.6	C	11 12 „
8	23.060	19.77	83.0	41.41	83.6	.0511	.8037	19.12.8	C	Midnight.
9	22.787	19.78	82.9	41.41	83·5	.0512	.8037	19.12.8	R	1 12 a. m.
10	22.787	19.77	82.9	41.40	83.3	.0511	.8036	19·12.7	R	2 12 „
11	22.854	19.80	82.8	41.44	83.1	.0515	.8040	19.12.7	R	3 12 „
12	23.267	19.86	82.7	41.44	83.1	·0525	.8040	19.12.6	R	4 12 „
13	23 540	19.85	82.7	41.44	83·1	.0523	.8040	19.12.7	B	5 12 „
14	24.707	19.91	82.6	41.54	83.1	.0533	.8051	19.13.0	B	6 12 „
15	25.326	20.16	82.6	41.54	83.1	.0574	.8051	19.11.5	B	7 12 „
16	25.463	20.43	83.0	41.50	83.2	.0619	.8047	19.11.7	B	8 12 „
17	25.051	20.74	82.9	41.49	83.1	.0674	.8046	19·11.0	C	9 12 „
18	23.540	21·20	82.6	41.45	83.0	.0745	.8042	19.09·7	C	10 12 „
19	21.963	21.33	83.2	41.45	83.2	.0766	.8042	19 09.5	C	11 12 „
20	19·836	21.27	84.0	41.46	83·9	.0757	.8043	19.09.7	C	Noon.
21	20.110	21·19	85.0	41.50	84.9	.0743	.8047	19.10.2	R	1 12 p. m.
22	21.002	21.04	85.5	41.51	85.3	.0719	·8048	19.10.4	R	2 12 „
23	22.718	20.48	85.0	41.45	85·0	.0627	.8042	19·11.3	R	3 12 „
July 27th-Noon.	23.677	20.15	85.0	41.46	85.2	·0572	·8043	19.12.2	R	4 12 „
1	23.335	20.00	84.5	41 37	85.1	.0548	.8033	19.12.0	B	5 12 „
2	23.267	19.90	83.6	41.33	84.4	.0531	.8028	19.12.1	B	6 12 „
3	22.237	19.93	83·4	41 32	84·0	.0536	.8027	19.12.0	B	7 12 „
4	21.895	19.89	83.2	41.35	83.8	.0530	.8031	19.12.2	B	8 12 „
5	22.168	19.89	83.0	41.36	83.7	.0530	.8032	19.12.2	C	9 12 „
6	22·444	19.89	82.9	41.39	83.5	.0530	.8035	19.12 4	C	10 12 „
7	22.718	19.87	82.9	41.41	83.5	.0527	.8037	19.12.5	C	11 12 „
8	22·991	19.92	82.9	41.45	83.3	.0534	.8042	19.12.6	C	Midnight.
9	23.473	19.77	82.5	41.49	83.1	.0511	.8046	19.13.2	R	1 12 a. m.
10	23.473	19.83	82.5	41.49	83.0	.0520	.8046	19.12.9	R	2 12 „
11	22.854	19.95	82.4	41.49	83.0	.0536	.8046	19.12.7	R	3 12 „
12	23.198	19.93	82.4	41.49	83.0	.0536	.8046	19 12.7	R	4 12 „
13	24.226	19.87	82.0	41.58	82.5	.0527	.8056	19.13.2	B	5 12 „
14	25 737	19.82	81.5	41.59	82·4	.0518	.8057	19.13.4	B	6 12 „
15	25·532	19.79	81.2	41.56	82.0	.0514	.8054	19·13.4	B	7. 12 „
16	24.776	20.10	82.1	41.52	82.3	·0564	.8049	19.12.5	B	8 12 „
17	23.060	20.45	82.8	41.54	82·9	.0622	·8051	19.11.8	C	9 12 „
18	21.071	20 87	83·7	41·50	83.2	.0691	.8047	19.10.8	C	10 12 „
19	19.973	20.93	84.6	41.47	84.0	.0700	.8044	19.10.5	C	11 12 „
20	20.110	20.95	85.0	41.53	84·5	.0703	.8050	19.10.8	C	Noon.
21	21·139	20.83	85 5	41.50	85.0	.0684	.8047	19.11.0	R	1 12 p. m.
22	20.728	20.68	86.0	41.47	85.5	.0659	·8044	19.11.0	R	2 12 „
23	21.345	20.49	85.7	41·41	85 4	.0629	.8037	19.11.2	R	3 12 „

On the 26th, at about 19h. 35m., Dip as obtained by Observation was 19°05′.
On the 27th, at about 19h. 45m., Deflection Observations were taken.

DAILY OBSERVATIONS, FROM 29TH JULY TO 1ST AUGUST 1860.

DATE. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	OBSERVER.	DATE. Bombay Civil Time. 1860.
h.	'									h. m.
JULY 29TH-Noon.	24·021	20.26	83°5	41.53	84°3	8.0591	2.8050	19°12'2	B	4 12 p. m.
1	24.090	19·89	83.3	41 57	84.1	.0530	.8055	19.13 2	B	5 12 „
2	23.404	20.05	83.1	41.46	83.8	.0556	.8043	19.12.3	B	6 12 „
3	22.581	19.93	83.0	41.46	83.6	.0536	.8043	19.12.6	B	7 12 „
4	22·237	19 74	83.0	41.46	83.5	.0506	.8043	19.13.0	B	8 12 „
5	22.649	19.74	82.7	41 50	83·3	.0506	.8047	19.13.2	C	9 12 „
6	22.305	19.84	82.7	41.55	83.2	.0522	.8053	19.13.2	C	10 12 „
7	22.787	19.87	82.7	41.55	83.2	.0527	.8053	19.13.1	C	11 12 „
8	22·923	19.87	82.6	41.89	83.1	.0427	.8090	19.14.5	C	Midnight.
9	23.130	19.77	82.4	41.89	83.0	.0511	·8090	19.14.8	R	1 12 a. m.
10	23.335	19.81	82.3	42.89	82.9	.0517	.8090	19.14.6	R	2 12 „
11	23.609	19.87	82.2	41.89	82.9	.0527	.8090	19.14.5	R	3 12 „
12	23.473	20.00	82.2	41.89	82.9	.0548	.8090	19.14.2	R	4 12 „
13	24.226	19.89	82.1	41.91	82.9	.0530	.8092	19.14.5	B	5 12 „
14	26.698	19.91	82.2	41.94	82.9	.0533	.8095	19.14.7	B	6 12 „
15	26.218	19.91	82.2	41.94	82.9	.0533	·8095	19.15.0	B	7 12 „
16	24.846	20.32	82.4	41.84	82.9	.0600	.8084	19.13 3	B	8 12 „
17	21.826	20.72	82.6	41.85	82.9	.0666	.8085	19.12.5	C	9 12 „
18	18·738	20.87	82.9	41.83	83.0	.0691	.8083	19.12 1	C	10 12 „
19	17.298	21.11	83.1	41.84	83.0	.0730	.8084	19.11.6	C	11 12 „
20	17.984	21.03	83.8	41·91	83·5	.0717	.8092	19.12.0	C	Noon.
21	18.738	20.61	84.3	41.90	84.0	.0648	.8091	19.12.9	R	1 12 p. m.
22	19.973	20.34	84.5	41·91	84.3	.0604	.8092	19.13.6	R	2 12 „
23	21.415	20.16	84.2	41.89	84.2	.0574	.8090	19·14.0	R	3 12 „
JULY 30TH-Noon.	22.101	20.02	84·0	41·84	84.2	.0551	.8084	19.13.9	R	4 12 „
1	22.168	19.97	83.8	41.85	84.2	.0543	.8086	19.14.2	B	5 12 „
2	22.649	19·88	83.5	41.87	84.0	.0528	.8088	19.14.4	B	6 12 „
3	22.444	19.81	83·0	41.86	83.5	.0517	.8087	19.14.5	B	7 12 „
4	22 581	19.64	83.0	41.86	83.5	·0489	.8087	19.14.9	B	8 12 „
5	22.787	19.63	82.9	41.81	83.5	.0487	·8081	19.14.6	C	9 12 „
6	22 854	19.84	82·9	41.82	83.4	.0489	.8082	19.14.6	C	10 12 „
7	23.060	19·78	82.9	41.85	83.2	.0512	.8086	19.14.6	C	11 12 „
8	23.335	19.80	82.8	41.90	83.2	.0515	.8091	19.14.6	C	Midnight.
9	23.473	19.77	82.6	41.89	83.0	·0511	.8090	19.14.8	R	1 12 a. m.
10	23.473	19.80	82.5	41.89	83.0	.0515	.8090	19.14.6	R	2 12 „
11	23.540	19.88	82.4	41.89	83.0	.0528	.8090	19.14·5	R	3 12 „
12	23.473	19.78	82.2	41.89	83.0	.0512	.8090	19.14.8	R	4 12 „
13	23.473	19.80	82.2	41.85	82.9	·0515	.8086	19.14.4	B	5 12 „
14	25.326	19.83	82.2	41.90	82.8	.0520	.8091	19.14.6	B	6 12 „
15	26.561	20.00	82.2	41.93	82.8	.0548	.8094	19.14.3	B	7 12 „
16	26.080	20.53	82·6	41.84	82.9	.0635	.8084	19.12.8	B	8 12 „
17	23.609	20.92	83.2	41.79	83.0	.0698	.8079	19.11.8	C	9 12 „
18	21.345	21.33	83.6	41.75	83.3	·0766	.8075	19.10.8	C	10 12 „
19	19.767	21.45	84.7	41.82	84.0	·0786	.8082	19.10.7	C	11 12 „
20	19.493	21.43	85.1	41.83	84.9	.0783	.8083	19.11.0	C	Noon.
21	19.356	21.45	85.5	41.86	85.1	.0802	·8087	19.10.8	R	1 12 p. m.
22	20.179	21.07	85.4	41.85	85.0	.0724	.8086	19.11.8	R	2 12 „
23	21.758	20.66	84·9	41·84	85.0	.0656	.8086	19.12.6	R	3 12 „
AUG. 1ST-Noon.	24.432	20.36	83.4	41.91	84.0	.0607	.8092	19.13.5	R	4 12 „
1	24.846	20.14	83.0	41.81	83.8	.0571	.8081	19.13.6	R	5 12 „
2	24.846	20.10	82.5	41.79	83.0	.0564	.8079	19.13.5	R	6 12 „
3	23.953	20.01	82.3	41.79	83.0	·0550	.8079	19.13.7	R	7 12 „
4	23.816	20.44	81.9	41.82	82.7	.0621	.8082	19·12.9	R	8 12 „
5	23.404	20.29	81.9	41.83	82.6	.0596	.8083	19.13.3	B	9 12 „
6	23.609	20.29	82.0	41.84	82.5	.0596	·8084	19.13.3	B	10 12 „
7	24.502	20.16	81.4	41.82	82·3	·0574	.8082	19.13.6	B	11 12 „
8	24.776	20.19	81.5	41.87	82.2	·0579	.8088	19.13.8	B	Midnight.
9	24.983	20.19	81.9	41·87	82.4	·0579	.8090	19.13.9	C	1 12 a.m.
10	25·189	20.18	81.9	41.87	82.4	.0577	.8090	19.13.9	C	2 12 „
11	25.463	20.12	81.9	41.89	82.4	.0567	.8090	19,14.0	C	3 12 „

On the 30th, at about 19h. 45m., Dip as obtained by Observation was 19°03'8.

DAILY OBSERVATIONS, FROM 1ST TO 3RD AUGUST 1860.

Date. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1860.
h.										h. m.
Aug. 1st—12	25·532	20.14	81°9	41.92	82°4	8.0571	2.8094	19°14′1	C	4 12 a. m.
13	25.875	20.12	81.6	41.92	82.3	.0567	.8094	19·14.1	R	5 12 „
14	28.133	20.24	81.6	41.92	82·2	.0588	.8094	19.13.8	R	6 12 „
15	29.305	20.49	81.9	41.97	82.2	.0629	.8099	19.13.5	R	7 12 „
16	28.619	20.53	80·7	41.85	81.8	.0635	.8086	19.12.9	R	8 12 „
17	25.600	20.90	81.1	41.90	81.6	.0695	.8091	19.12.3	B	9 12 „
18	24.226	20.99	82.6	41.87	82.3	·0710	.8088	19.12.1	B	10 12 „
19	22.581	20.85	82.8	41.83	82.6	.0687	.8083	19.12.1	B	11 12 „
20	23.404	20.04	81.0	40.90	82.1	.0555	.8091	19.14.1	B	Noon.
21	22.923	20.22	82.0	41.91	82.2	.0584	.8092	19.13.9	C	1 12 p. m.
22	23.130	20.25	82.5	41.92	82.4	.0589	.8093	19.13.8	C	2 12 „
23	23.816	19.92	82.6	41.90	82.9	.0534	.8095	19.14.7	C	3 12 „
Aug. 2nd-Noon.	24.363	19.60	82.5	41.91	82.9	.0482	.8092	19.15.2	C	4 12 „
1	24.502	19.66	82.0	41.87	82.4	.0492	·8088	19.14.9	R	5 12 „
2	24.846	19.46	82.0	41.87	82.3	.0460	.8088	19.15.3	R	6 12 „
3	24.570	19.33	81.3	41.89	82.0	.0438	.8090	19.15.7	R	7 12 „
4	24.502	19.33	80.8	41.90	81.5	.0438	.8091	19.15.7	R	8 12 „
5	24.846	19.34	81.6	41.90	81.5	.0440	.8091	19.15.7	B	9 12 „
6	25.532	19.17	80.9	41.97	81.6	.0412	.8099	19.16.4	B	10 12 „
7	25.326	19.24	80.7	41·96	81.4	.0424	.8098	19·16.2	B	11 12 „
8	25.669	19.39	81.5	41.98	81.1	.0448	.8100	19.15.9	B	Midnight.
9	25.669	19.58	80.7	42.02	81.2	.0479	.8104	19.15.7	C	1 12 a. m.
10	25.943	19.42	80·9	41.99	81.3	.0453	.8101	19.15.9	C	2 12 „
11	25.875	19.36	81.0	42.02	81.4	.0443	.8104	19.16.2	C	3 12 „
12	25.737	19.48	81.0	42.03	81.5	.0463	.8105	19.16.0	C	4 12 „
13	26.355	19.51	80.9	42.04	81.4	.0468	.8106	19.16.0	R	5 12 „
14	27.590	19.73	80.7	42.03	81.0	.0504	.8105	19.15.5	R	6 12 „
15	27.658	19.94	80.8	42.03	81.0	.0538	.8105	19.15.0	R	7 12 „
16	27.521	20.21	81.0	42.05	81.5	.0583	.8108	19.14.6	R	8 12 „
17	25.943	20.73	81.2	42.03	81.6	.0668	.8105	19.13.3	B	9 12 „
18	24.090	21.09	81.9	42·01	81.9	.0727	.8103	19.12.4	B	10 12 „
19	22.168	21.09	82.6	42.03	82.5	.0727	.8105	19.12.5	B	11 12 „
20	21.688	21.14	82.8	42.03	82.6	.0735	.8105	19.12.4	B	Noon.
21	22.237	21.01	83.3	42.04	83.0	.0714	.8106	19.12.8	C	1 12 p. m.
22	22.854	20.63	83.8	42.00	83.3	.0651	.8102	19.13.3	C	2 12 „
23	23.540	20.41	83.6	41.97	83.5	.0616	.8099	19.13.6	C	3 12 „
Aug. 3rd-Noon.	24.846	19.88	81.0	41.91	82.0	.0528	.8092	19.14.5	C	4 12 „
1	24.707	19.85	80.3	41.90	81.5	.0523	·8090	19.14.6	R	5 12 „
2	24.983	19.54	80.2	41.93	81.0	.0473	·8094	19.15.4	R	6 12 „
3	24.846	19.30	80.0	41.93	81.0	.0433	.8094	19.15.9	R	7 12 „
4	24.432	19.45	80.3	41.93	81.0	.0458	.8094	19.15.5	R	8 12 „
5	24.295	19.59	80.8	42.02	81.2	.0476	.8094	19.15.7	B	9 12 „
6	24.432	19.64	81.1	42.09	81·3	.0489	.8112	19.15.8	B	10 12 „
7	24.432	19.64	81.1	42.03	81.5	.0489	.8105	19.15.6	B	11 12 „
8	24.914	19.63	81.2	42.03	81.5	.0487	.8105	19.15.6	B	Midnight.
9	24.914	19.58	81·1	42.03	81.6	.0479	.8105	19.15.8	C	1 12 a. m.
10	25.189	19.55	81.0	42.02	81.4	.0474	.8103	19.15.8	C	2 12 „
11	25.394	19.53	81.0	42.02	81.4	.0471	.8103	19.15.8	C	3 12 „
12	25.532	19.50	81.0	42.03	81.5	.0466	.8104	19.15.8	C	4 12 „
13	26.218	19.52	81.0	42·05	81.5	.0469	.8107	19.16.0	R	5 12 „
14	26.766	19·68	81.0	42.05	81.6	.0495	.8107	19.15.6	R	6 12 „
15	27.590	19.84	81.1	42.08	81.8	.0522	.8111	19.15.4	R	7 12 „
16	27.452	20.23	81.4	42.07	81.8	.0586	.8110	19.14.5	R	8 12 „
17	26.218	20.62	81.8	42.04	82.1	.0649	.8106	19.13.6	B	9 12 „
18	24.363	20.91	83.1	42·03	82.7	.0697	.8104	19.12.8	B	10 12 „
19	23.060	21.10	83.5	42.04	83·2	.0728	.8106	19.12.5	B	11 12 „
20	21.758	21.22	82.3	41.98	82.5	.0748	.8100	19.12.0	B	Noon.
21	21.415	21.25	83.3	41·94	83.0	.0753	.8095	19.11.8	C	1 12 p. m.
22	21.895	21.03	83.5	41.91	83.5	.0717	.8092	19.12.0	C	2 12 „
23	22.991	20.71	83.5	41.96	83.5	.0665	.8098	19.13.0	C	3 16 „

On the 2nd, at about 19h. 45m., Dip as obtained by Observation was 19°06′2.

DAILY OBSERVATIONS, FROM 5TH TO 7TH AUGUST 1860.

Date. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1860.
h.										h. m.
Aug. 5th-Noon.	24·432	20.30	85°0	41·87	85°7	8.0597	2.8088	19°13′5	R	4 12 p. m.
1	24.983	19.91	83.3	41·83	84.4	.0533	.8083	19.14.2	R	5 12 ,,
2	24.983	19.77	82.6	41.81	84.0	.0511	.8081	19.14.4	R	6 12 ,,
3	24·363	19.76	82.3	41.76	83.5	.0509	.8076	19·14.2	R	7 12 ,,
4	24.502	19.72	82.1	41.70	83.4	.0502	.8069	19.14.0	R	8 12 ,,
5	24.846	19.74	82.2	41.62	83.4	.0506	.8060	19.13.6	B	9 12 ,,
6	24.502	19·79	82.1	41.63	83.1	.0514	.8061	19.13.6	B	10 12 ,,
7	24.502	19.77	82.0	41.69	82.9	.0511	.8068	19.13.9	B	11 12 ,,
8	24.707	19.74	81.9	41.63	82.8	.0506	.8061	19.13.6	B	Midnight.
9	24.846	19.72	81.9	41.63	82.6	.0502	·8061	19.13.7	C	1 12 a. m.
10	24.983	19.73	81.9	41.62	82.4	.0504	.8060	19.13.3	C	2 12 ,,
11	24.846	19.64	81.2	41.56	82.0	.0489	.8054	19.13.6	C	3 12 ,,
12	24.707	19.67	81.1	41.58	82.0	.0496	.8056	19.13.6	C	4 12 ,,
13	26.149	19.63	80.7	41.61	81.7	.0487	.8059	19.13.8	R	5 12 ,,
14	27.727	19.87	80.8	41.65	81.5	.0527	.8064	19.13.4	R	6 12 ,,
15	29.167	19.89	80.2	41.63	81.0	.0530	.8061	19.13.3	R	7 12 ,,
16	27.452	20.29	80.5	41·64	81.3	.0596	.8062	19.12.4	R	8 12 ,,
17	24.502	20.45	81.4	41.55	81.6	.0622	.8053	19.11.9	B	9 12 ,,
18	22.991	20.85	81.4	41.55	81.5	·0687	.8053	19.11.0	B	10 12 ,,
19	21.688	20.97	82.5	41.57	83.2	.0707	.8055	19.10.9	B	11 12 ,,
20	21.482	20.89	82.8	41.63	82.8	.0694	.8061	19.11.2	B	Noon.
21	22.101	20.71	83.4	41.64	83.2	.0665	.8062	19.11.5	C	1 12 p. m.
22	22.923	20.40	83.0	41.60	83.2	.0614	.8058	19.12.3	C	2 12 ,,
23	23·884	20.04	82.8	41.63	83.0	.0555	.8061	19.12.9	C	3 12 ,,
Aug. 6th-Noon.	25.120	19.85	81·4	41.72	82.4	.0523	.8071	19·13.8	C	4 12 ,,
1	24.570	19.92	81.6	41.67	82.3	.0534	.8066	19.13.5	R	5 12 ,,
2	25.189	19.79	81.6	41.62	82.2	.0511	.8060	19.13.6	R	6 12 ,,
3	24.776	19.63	81.4	41.66	82.0	.0487	.8065	19.14.0	R	7 12 ,,
4	24.502	19.60	81.4	41·96	82.0	.0482	.8101	19.15.6	R	8 12 ,,
5	24.914	19.54	81.3	41.96	82.0	.0473	.8101	19.15.7	B	9 12 ,,
6	24.914	19.95	81.3	41.94	82.0	.0539	.8095	19·14.6	B	10 12 ,,
7	24.914	19.72	81.3	41.94	82.0	.0502	.8095	19.15.1	B	11 12 ,,
8	25.051	19.63	81.3	41.96	82.0	.0487	.8098	19.15.3	B	Midnight.
9	25.189	19.63	81.3	41.96	82.0	.0487	.8098	19.15.3	C	1 12 a. m.
10	24.983	19.62	81.1	41.96	82.0	.0485	.8098	19·15.3	C	2 12 ,,
11	25.051	19.66	81.0	41.98	81.9	.0492	.8100	19.15.4	C	3 12 ,,
12	25.051	20.16	81.0	41.96	81.9	.0574	.8098	19.14.3	C	4 12 ,,
13	26.286	20.02	81.0	41.97	81.8	.0551	.8099	19.14.5	R	5 12 ,,
14	28.070	20.09	81·0	41.99	81.7	.0563	.8101	19.14.5	R	6 12 ,,
15	29.922	19.85	81.0	41.99	81.6	.0523	.8101	19.15.0	R	7 12 ,,
16	28.756	20.44	81.5	42.01	82.0	.0621	·8103	19.13.8	R	8 12 ,,
17	26.218	21.85	82.5	41.92	82·2	.0851	.8093	19.10.4	B	9 12 ,,
18	25.321	21.54	83.0	41.94	82.9	.0801	.8095	19·11.2	B	10 12 ,,
19	24.295	21.40	82.9	41.74	82·9	.0778	.8073	19.10.5	B	11 12 ,,
20	20.316	20.57	84.1	41.73	83.6	.0642	.8072	19.12.3	B	Noon.
21	23.473	18.56	84.5	41.70	84.0	.0312	.8069	19.16.5	C	1 12 p. m.
22	21.002	17.31	84.1	41.77	84.0	.0107	.8077	19.19.5	C	2 12 ,,
23	25.532	17.49	83.8	41.86	84.0	.0135	·8087	19.19.5	C	3 12 ,,
Aug. 7th-Noon.	24.502	17.96	83.4	41.86	83.8	.0213	.8087	19·18.6	C	4 12 ,,
1	22.787	17·94	82.7	41·83	83.5	.0210	.8083	19.18.4	R	5 12 ,,
2	25.532	15·41	82.0	41.89	83.0	7.9796	.8090	19.24.0	R	6 12 ,,
3	26.355	16.14	81.9	41.88	82.7	.9915	.8089	19.22.3	R	7 12 ,,
4	26.904	16.44	81.9	42.08	82.7	.9965	.8110	19.22.6	R	8 12 ,,
5	27.041	17·03	81.0	42·10	82.9	8.0061	.8113	19.21.5	B	9 12 ,,
6	25.394	17·33	80.7	42.10	81.4	.0110	.8113	19·20.9	B	10 12 ,,
7	26.423	17.24	80.2	42.15	81.0	.0096	.8119	19.21.2	B	11 12 ,,
8	26.218	17.42	80·1	42.17	80.8	.0125	·8121	19.20.9	B	Midnight.
9	26.904	17.38	89.9	42.17	80.6	.0118	.8121	19.21.0	C	1 12 a. m.
10	27.178	17.36	89.8	42·21	80.3	·0115	.8125	19.21.2	C	2 12 ,,
11	26.492	17.50	80.1	42.22	80.5	.0138	.8126	19.21.0	C	3 12 ,,

On the 6th, at about 20h. 15m., Dip as obtained by Observation was 19°06′9.
On the 7th instant, there was a slight Magnetic Disturbance.

DAILY OBSERVATIONS, FROM 7TH TO 9TH AUGUST 1860.

Date. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1860.
h.										h. m.
Aug. 7th—12	26°698	17.40	79°9	42.22	80°6	8.0122	2.8126	19°21'2	C	4 12 a. m.
13	27.247	17.73	79.9	41.91	80.4	.0176	.8092	19.19.1	R	5 12 „
14	28.962	17.85	80.0	41.92	80.6	.0195	.8093	19.18.9	R	6 12 „
15	29.510	18.14	80.2	41.93	81.0	.0243	.8094	19.18.4	R	7 12 „
16	29.167	18.85	80.0	41.92	80.5	.0359	.8093	19.16.8	R	8 12 „
17	27.041	19.21	79.7	41.88	80.1	.0419	.8089	19.15.8	B	9 12 „
18	23.609	19.57	80.1	41.86	80.3	.0478	.8087	19.15.1	B	10 12 „
19	21.551	19.67	80.1	41.87	80.5	.0494	.8088	19.14.9	B	11 12 „
20	20.590	19.59	81.6	41.89	81.1	.0481	.8090	19.15.2	B	Noon.
21	21.345	19.67	82.5	41.88	81.8	.0494	.8089	19.14.9	C	1 12 p. m.
22	23.267	19.33	82.9	41.90	82.5	.0438	.8091	19.15.7	C	2 12 „
23	24.295	19.02	82.8	41.84	82.9	.0387	.8084	19.16.0	C	3 12 „
Aug. 8th—Noon.	26.218	18.95	82.5	41.84	82.9	.0375	.8084	19.16.2	C	4 12 „
1	26.766	18.38	82.0	41.88	82.6	.0282	.8089	19.17.7	R	5 12 „
2	28.481	18.26	81.7	41.87	82.2	.0263	.8088	19.17.9	R	6 12 „
3	22.598	18.35	81.4	41.97	82.2	.0277	.8099	19.18.1	R	7 12 „
4	26.835	18.57	81.2	41.96	82.0	.0314	.8098	19.17.7	R	8 12 „
5	31.707	16.21	81.1	42.06	81.9	7.9927	.8109	19.23.0	B	9 12 „
6	26.561	17.61	80.9	42.00	81.8	8.0156	.8102	19.19.7	B	10 12 „
7	26.629	17.94	81.0	42.07	81.6	.0210	.8110	19.19.5	B	11 12 „
8	26.218	17.39	80.5	42.04	81.2	.0120	.8106	19.20.4	B	Midnight.
9	28.138	17.66	80.4	42.05	81.1	.0164	.8107	19.20.0	C	1 12 a. m.
10	27.452	17.31	79.8	42.02	80.5	.0107	.8104	19.20.5	C	2 12 „
11	26.766	17.87	79.8	42.00	80.1	.0199	.8102	19.19.2	C	3 12 „
12	27.315	18.63	79.9	42.00	80.1	.0323	.8102	19.17.6	C	4 12 „
13	29.305	17.79	79.4	42.00	80.0	.0186	.8102	19.19.3	R	5 12 „
14	29.648	18.83	79.6	42.00	80.0	.0356	.8102	19.17.1	R	6 12 „
15	30.608	18.51	79.6	42.00	80.0	.0304	.8102	19.17.9	R	7 12 „
16	26.972	17.78	79.9	42.01	80.2	.0184	.8103	19.19.6	R	8 12 „
17	25.463	18.20	80.6	41.97	80.5	.0253	.8099	19.18.4	B	9 12 „
18	23.540	18.85	81.1	41.98	80.9	.0359	.8100	19.17.1	B	10 12 „
19	21.482	19.32	82.5	41.93	81.8	.0436	.8094	19.15.8	B	11 12 „
20	21.688	18.63	83.5	41.87	82.9	.0323	.8088	19.17.1	B	Noon.
21	21.688	18.99	84.0	41.72	83.2	.0382	.8071	19.15.7	C	1 12 p. m.
22	24.226	19.11	84.5	41.67	84.0	.0402	.8066	19.15.2	C	2 12 „
23	26.012	19.06	83.0	41.68	83.4	.0394	.8067	19.15.4	C	3 12 „
Aug. 9th—Noon.	27.933	18.83	83.2	41.70	83.2	.0356	.8069	19.16.8	C	4 12 „
1	26.766	18.54	83.0	41.71	83.5	.0309	.8070	19.16.6	R	5 12 „
2	25.806	18.46	81.7	41.48	82.7	.0296	.8045	19.15.4	R	6 12 „
3	25.189	18.37	81.6	41.56	82.1	.0281	.8054	19.16.4	R	7 12 „
4	27.247	18.13	81.0	41.66	82.0	.0241	.8065	19.17.3	R	8 12 „
5	26.904	17.64	81.3	41.78	82.1	.0161	.8078	19.18.8	B	9 12 „
6	25.737	18.04	81.3	41.80	82.1	.0227	.8080	19.18.0	B	10 12 „
7	25.875	18.38	81.2	41.81	82.0	.0282	.8081	19.17.4	B	11 12 „
8	26.286	17.70	81.0	41.83	81.6	.0171	.8083	19.18.9	B	Midnight.
9	27.178	17.99	80.9	41.89	81.6	.0218	.8090	19.18.5	C	1 12 a. m.
10	26.218	18.15	80.9	41.92	81.3	.0244	.8093	19.18.4	C	2 12 „
11	26.972	18.00	80.3	41.95	81.1	.0220	.8097	19.18.8	C	3 12 „
12	27.178	18.26	80.9	42.01	81.1	.0263	.8103	19.18.5	C	4 12 „
13	28.962	18.76	80.9	42.08	81.1	.0345	.8111	19.17.6	R	5 12 „
14	30.951	18.76	80.9	42.07	81.1	.0345	.8110	19.17.6	R	6 12 „
15	30.471	18.98	81.0	41.99	81.4	.0380	.8101	19.16.9	R	7 12 „
16	29.785	19.32	81.6	41.90	81.8	.0436	.8091	19.15.7	R	8 12 „
17	26.423	19.45	82.5	41.73	82.3	.0458	.8072	19.14.6	B	9 12 „
18	23.816	20.29	83.3	41.51	83.0	.0596	.8048	19.12.0	B	10 12 „
19	22.581	20.34	84.1	41.46	83.5	.0604	.7043	19.11.8	B	11 12 „
20	21.002	20.15	84.7	41.37	84.0	.0572	.8033	19.11.8	B	Noon.
21	22.374	19.98	84.9	41.36	84.6	.0544	.8032	19.12.1	C	1 12 p. m.
22	24.021	20.03	83.9	41.40	83.4	.0553	.8036	19.12.1	C	2 12 „
23	24.983	19.87	84.0	41.39	83.0	.0527	.8035	19.12.4	C	3 12 „

On the 9th, at about 19h. 15m., Dip as obtained by Observation was 19°04'4.
On the 8th, at 5h., there was a sudden change in the Magnetic Movements of the large instruments.

DAILY OBSERVATIONS, FROM 10TH TO 13TH AUGUST 1860.

DATE. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1860.
h.										h. m.
AUG. 10TH-Noon.	27·041	19.11	84°4	42.40	84°8	8.0402	2.8146	19°18'4	C	4 12 p. m.
1	26.218	18.67	84.0	42.15	85.0	·0330	.8119	19.18.2	R	5 12 ,,
2	25.051	18.94	83.5	41.63	84.2	.0374	.8061	19.15.4	R	6 12 ,,
3	25.875	19.30	83.0	41.12	84.0	.0433	.8005	19.12.5	R	7 12 ,,
4	24.983	18.60	82.5	40.91	83·4	.0318	.7982	19.12.9	R	8 12 ,,
5	24.914	18.77	82.1	40.89	83.1	.0347	.7980	19.12.5	B	9 12 ,,
6	26.286	18.56	82.0	40.97	82.9	.0312	.7989	19.13.4	B	10 12 ,,
7	25.600	18.32	81.8	40.90	82.6	·0272	.7981	19·13.6	B	11 12 ,,
8	26.286	18.38	81.4	40.84	82.1	.0282	.7974	19.13.2	B	Midnight.
9	26.149	18.53	81·3	40.86	82·1	.0307	.7977	19.13.0	C	1 12 a. m.
10	26.492	18.84	81.4	40.86	82.0	.0358	.7977	19.12.3	C	2 12 ,,
11	26.766	18.80	81.2	40.86	82.0	.0351	.7977	19.12.4	C	3 12 ,,
12	26.080	20.95	81·1	40.91	81·9	.0703	.7982	19.07.0	C	4 12 ,,
13	30.608	17.68	81.0	40.95	81.7	.0167	.7987	19.15.2	R	5 12 ,,
14	31.020	18.23	81.0	40.95	81.7	·0258	.7985	19.13·9	R	6 12 ,,
15	31.225	18·58	81.0	40·95	81·7	.0315	.7985	19.13.1	R	7 12 ,,
16	30.059	18.59	81.6	40.92	82.0	·0317	.7983	19.13.0	R	8 12 ,,
17	26.835	19.01	82.3	40.85	82.3	.0386	.7976	19.11·9	B	9 12 ,,
18	25.669	18.87	82.3	40.82	82.3	.0363	.7972	19.12·0	B	10 12 ,,
19	23,884	19.47	83.5	40.81	83·0	.0462	.7971	19.10.7	B	11 12 ,,
20	23.953	19.13	83.2	40.82	83.2	·0405	.7972	19.11.4	B	Noon.
21	24.432	18.67	84.0	40.90	83·9	.0330	.7981	19.12·8	C	1 12 p. m.
22	21.688	18.95	83.9	40.82	84.0	.0375	.7972	19.11.8	C	2 12 ,,
23	22.101	20.14	83.0	40.82	83.9	.0571	.7972	19.09.3	C	3 12 ,,
AUG. 11TH-Noon.	24.846	19.23	82.0	40.85	83.2	.0422	.7976	19.11.4	C	4 12 ,,
1	26.149	18·66	82.3	40.84	83·0	.0328	.7974	19.12.5	R	5 12 ,,
2	25.463	18.83	82.4	40.79	83.0	.0356	·7969	19.11.9	R	6 12 ,,
3	24.295	18.72	82.1	40.79	83.0	.0338	·7969	19.12.2	R	7 12 ,,
4	24.363	18.61	82.0	40.79	83.0	.0320	.7969	19.12.4	R	8 12 ,,
5	24.226	18.95	82.0	40.84	82.9	.0375	.7974	19.11.9	B	9 12 ,,
6	24.846	18.74	82.0	40.83	82.7	.0342	.7973	19.12.4	B	10 12 ,,
7	25.394	18.77	81.9	40.90	82.5	.0347	.7981	19.12.5	B	11 12 ,,
8	25.532	18.87	81.8	40.92	82.5	.0363	.7983	19.12.5	B	Midnight.
9	26.149	18.74	81.6	40.93	82.4	.0342	.7984	19.12.8	C	1 12 a. m.
10	26.218	19.27	81.5	40.95	82.2	.0429	.7987	19.11·8	C	2 12 ,,
11	26.149	18.53	81.3	40.96	82.0	.0307	.7988	19.13.4	C	3 12 ,,
12	26.149	18·47	81.2	40.98	81.9	.0298	.7990	19.13.6	C	4 12 ,,
13	26.492	18.66	81.0	40.96	81.9	.0328	.7988	19.13.1	R	5 12 ,,
14	27.590	18.73	81.0	41.02	81.5	.0340	.7995	19·13.3	R	6 12 ,,
15	28.138	19.04	81.0	41.04	81.4	.0397	.7996	19.12·5	R	7 12 ,,
16	28.893	19.50	81.5	41.06	82.0	.0466	.7999	19.11.7	R	8 12 ,,
17	26.698	20.15	82.5	40.95	82.3	.0572	.7986	19.09.9	B	9 12 ,,
18	24.776	20.31	83.1	40·93	83.0	.0599	.7984	19.09.4	B	10 12 ,,
19	22.101	21.07	84.0	40.92	83.4	.0724	.7983	19.07.8	B	11 12 ,,
20	22.854	20.32	84.3	40.96	83·8	.0600	.7988	19.09.6	B	Noon.
21	24.090	19.49	85.0	40.98	84.4	.0465	.7990	19.11·4	C	1 12 p. m.
22	24.502	19.16	84.1	40.97	84.1	.0410	.7989	19.12.1	C	2 12 ,,
23	24.846	18.39	81·9	40.99	83.0	.0264	.7991	19·14.1	C	3 12 ,,
AUG. 13TH-Noon.	27.727	17.21	82.0	41.18	82.8	.0091	.8012	19.16.1	R	4 12 ,,
1	29.030	16.95	81.7	41.17	82.4	.0047	·8011	19.17.6	R	5 12 ,,
2	28.619	17.36	82.0	41.23	82.4	.0115	.8017	19·17·0	R	6 12 ,,
3	28.413	17.27	81.8	41.25	82.2	.0101	.8020	19.17.4	R	7 12 ,,
4	25.737	17.83	81.7	41.24	82.0	·0192	.8018	19.16·1	R	8 12 ,,
5	25.600	17.80	81.6	41.18	82.0	.0187	.8012	19.15.8	B	9 12 ,,
6	25.463	17.88	81.6	41.14	82.1	.0200	·8007	19.15.6	B	10 12 ,,
7	24.570	18.23	81.5	41·11	82.1	.0258	.8004	19.14.6	B	11 12 ,,
8	24.639	18.62	81.3	41.14	81.9	.0321	.8007	19.14·0	B	Midnight.
9	25.463	18.48	81.4	41.11	82.0	.0299	.8004	19.14.1	C	1 12 a. m.
10	25.532	18.52	81.4	41.16	82.0	.0305	.8010	19.14.3	C	2 12 ,,
11	25.875	18.35	81.4	41.18	82.0	.0277	.8012	19.14.7	C	3 12 ,,

On the 10th, at about 19h. 30m., Deflection Observations were taken.

DAILY OBSERVATIONS, FROM 13TH TO 15TH AUGUST 1860.

Date. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1860.
h.										h. m.
Aug. 13th—12	25·875	18.35	81°4	41.21	82°0	8.0277	2.8015	19°14'9	C	4 12 a. m.
13	27.041	18.50	81.4	41.26	82.0	.0302	.8021	19.14.8	R	5 12 „
14	28.962	18.53	81·3	41.21	82.0	.0307	.8015	19.14.5	R	6 12 „
15	29.236	18.68	81.6	41.14	81.3	.0331	.8007	19.13.9	R	7 12 „
16	28.619	18.98	79.9	41.12	80.8	·0380	.8005	19.13.2	R	8 12 „
17	26·286	19.47	80.2	41.04	80.6	.0462	.8007	19.12.2	B	9 12 „
18	24.502	19.91	81.1	41.06	81.2	.0533	.8010	19.11.4	B	10 12 „
19	23.267	20.00	81.6	41.13	81.8	.0548	.8006	19.11.0	B	11 12 „
20	22.581	20.05	81.9	41.17	81.6	.0556	.8011	19·11.0	B	Noon.
21	22.512	20.10	82.5	41.16	82.0	.0564	.8010	19.11.0	C	1 12 p. m.
22	23.816	19.94	83.0	41.23	82.6	.0538	.8017	19·11.6	C	2 12 „
23	25.875	19.76	83.1	41.29	83.0	.0509	.8024	19.12.2	C	3 12 „
Aug. 14th-Noon.	26.972	19.62	83.0	41.33	83.0	.0485	.8028	19.12.6	C	4 12 „
1	27.247	19.26	82.0	41.28	82.7	.0427	.8023	19.13·2	R	5 12 „
2	25.669	19.10	81.7	41.17	82.3	.0400	.8011	19.13.1	R	6 12 „
3	25.120	19.00	81.5	41.16	82.0	.0384	.8010	19.13.4	R	7 12 „
4	24.983	18.96	81·5	41.16	82.0	.0377	.8010	19.13.4	R	8 12 „
5	25.051	19.02	81.5	41.21	82·1	.0387	.8015	19.13.4	B	9 12 „
6	25.189	19.04	81.6	41.21	82.1	.0391	.8015	19.13.4	B	10 12 „
7	25.326	18.99	81.6	41.21	82.1	.0382	·8015	19.13.6	B	11 12 „
8	25.463	19.00	81.5	41·21	82.1	.0384	.8015	19.13.6	B	Midnight.
9	25.463	18.94	81.1	41.18	82.0	.0374	.8012	19·13.5	C	1 12 a. m.
10	25.600	19.04	81.3	41.15	81.7	.0391	.8009	19.13.1	C	2 12 „
11	25.875	18.99	81.0	41.20	81.6	.0382	.8014	19.13.5	C	3 12 „
12	26.355	18.97	80.4	41.18	81.1	.0379	.8012	19.13.4	C	4 12 „
13	26.904	18.95	80.0	41.20	80.5	.0375	.8014	19.13.5	R	5 12 „
14	28.962	19.05	80.0	41.22	80.5	.0392	.8016	19.13.4	R	6 12 „
15	30.265	19.09	80.5	41.33	80.9	.0399	.8028	19.13.8	R	7 12 „
16	29.853	19.61	81.0	41.23	81.0	.0484	.8017	19.12.4	R	8 12 „
17	26.766	20.04	80.6	41.21	81.0	.0555	.8015	19.11.2	B	9 12 „
18	23.884	20.15	80.6	41.18	80.9	·0572	.8023	19.11.4	B	10 12 „
19	20.933	20.59	81.9	41.18	81.3	.0645	.8023	19·10.3	B	11 12 „
20	21.071	20.73	83.3	41.22	82.3	.0668	.8016	19.09.8	B	Noon.
21	21.619	20.51	83.7	41.24	83.0	.0632	.8018	19.10.4	C	1 12 p. m.
22	22.649	20.31	82.9	41.18	82.6	.0599	.8012	19.10.5	C	2 12 „
23	23.060	20.37	84.9	41.16	83.7	.0609	.8010	19.10.4	C	3 12 „
Aug. 15th-Noon.	25.120	19.74	83.5	41.17	83.9	.0506	.8011	19.11.7	C	4 12 „
1	25.943	19.40	83.4	41.17	84.0	.0450	.8011	19.12.4	R	5 12 „
2	25.189	19·34	82.5	41.00	83.4	.0440	.7992	19·11.8	R	6 12 „
3	24·570	19.28	82.2	40.99	83.0	.0430	.7991	19·11.9	R	7 12 „
4	24.983	19.16	82.0	40.97	83.0	.0410	.7989	19.12.1	R	8 12 „
5	25.394	19.11	81.9	40.91	82.6	.0402	.7982	19.11.9	B	9 12 „
6	25.189	19.19	81.6	40.98	82.5	·0415	.7990	19.12.0	B	10 12 „
7	25.326	19.14	81.5	41.05	82·4	.0407	.7998	19.12.5	B	11 12 „
8	25·463	19.12	81.4	41.53	82.2	.0403	.7995	19.12.5	B	Midnight.
9	25.463	19.20	81.4	41.04	82.1	.0417	.7996	19.12·2	C	1 12 a. m.
10	25.532	19.18	81.3	41.06	82.0	.0413	.7999	19.12.5	C	2 12 „
11	25.669	19.11	80.9	41.05	81.8	.0402	.7998	19.12.6	C	3 12 „
12	25.776	19.29	80.9	41.07	81.8	.0432	.8000	19.12.3	C	4 12 „
13	26.355	19.30	80.9	41.15	81.5	.0433	.8009	19.12.6	R	5 12 „
14	28.276	19.33	80.7	41.13	81.0	.0438	.8006	19.12.4	R	6 12 „
15	30.196	19.39	80.5	41.13	81.0	·0448	·8006	19.12.2	R	7 12 „
16	29.648	19.78	80.5	41·13	81.0	.0512	.8006	19.11.5	R	8 12 „
17	27·727	20·09	81.0	41.18	81.2	·0563	.8012	19.11.0	B	9 12 „
18	25.532	20.39	82.1	41.20	81.7	.0612	.8014	19.10.3	B	10 12 „
19	22.787	20.57	83.1	41.23	82.5	·0642	.8017	19.10.3	B	11 12 „
20	21.139	20.69	83.9	41.25	83.2	.0661	.8020	19.10·1	B	Noon.
21	20.933	20.53	83.6	41.25	83.5	.0635	.8020	19.10.4	C	1 12 p. m.
22	21.758	20·35	84.0	41.28	83.9	.0605	.8023	19.10.9	C	2 12 „
23	23.677	19.97	84.2	41.28	84.0	.0543	.8023	19.11.8	C	3 12 „

On the 13th, at about 19h. 10m., Dip as obtained by Observation was 19°00'6.

DAILY OBSERVATIONS, FROM 16TH TO 19TH AUGUST 1860.

Date. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1860.
h.										h. m.
Aug. 16th-Noon.	25'875	19.71	84°3	41.31	84°4	8.0501	2.8026	19°12'4	C	4 12 p. m.
1	26.286	19.52	84.0	41.26	84.0	·0469	.8021	19.12.6	R	5 12 ,,
2	25.737	19.42	83.4	41.22	84.0	.0455	.8016	19.12.5	R	6 12 ,,
3	25.051	19.69	83.0	41.21	83.8	.0497	.8015	19.12.0	R	7 12 ,,
4	26.492	18.84	82.7	41.21	83·5	.0358	.8015	19.13.8	R	8 12 ,,
5	26.561	18.93	82.0	41.14	83.1	.0372	.8007	19.13·4	B	9 12 ,,
6	24·983	18.67	82.1	41.17	83.0	.0330	.8011	19.14.0	B	10 12 ,,
7	26.080	17.98	82.1	41.17	82.9	.0216	·8011	19.15.4	B	11 12 ,,
8	25.051	18·41	82.0	41.21	82.9	.0288	.8015	19.14.7	B	Midnight.
9	24.502	17.89	81.9	41.28	82.8	.0202	.8023	19.15.2	C	1 12 a. m.
10	24·502	18.29	81.9	41.38	82.6	.0268	.8034	19.15.7	C	2 12 ,,
11	25.051	18.35	81.7	41.43	82.5	.0277	.8039	19.15.8	C	3 12 ,,
12	25.669	18.44	81.5	41.41	82.1	.0293	.8037	19.15.6	C	4 12 ,,
13	26.698	18.55	81.5	41.46	82.0	.0310	.8043	19.15.6	R	5 12 ,,
14	29.167	18.65	81·4	41.46	82·0	·0326	·8043	19·15.3	R	6 12 ,,
15	29.922	18.83	81.0	41.46	82.0	.0356	.8043	19.14.9	R	7 12 ,,
16	28·276	19.04	80·2	41.42	81.4	·0391	.8038	19.14.3	R	8 12 ,,
17	24.090	19.12	80.1	41.38	81.1	.0403	.8034	19.14.0	B	9 12 ,,
18	21.345	20.08	80.9	41.39	81.2	.0561	.8035	19.12.0	B	10 12 ,,
19	20.453	19.96	80.9	41.44	81.2	.0541	.8040	19.12.5	B	11 12 ,,
20	20.453	19.93	80.5	41.38	81.0	.0536	.8034	19.12.2	B	Noon.
21	20.453	19.75	80.4	41.41	80.9	.0507	.8037	19.12.8	C	1 12 p. m.
22	21.208	19·65	80.8	41.48	81.0	.0490	.8045	19.13.3	C	2 12 ,,
23	23.267	19.41	80.6	41.53	81.0	·0452	.8050	19.14.0	C	3 12 ,,
Aug. 17th-Noon.	24.502	19.24	80.9	41.53	81.1	.0424	.8050	19·14.4	C	4 12 ,,
1	25.051	19.06	80.9	41.44	81.4	.0394	.8040	19.14.4	R	5 12 ,,
2	24.502	19.13	81·0	41.54	81.4	.0405	.8051	19.14.6	R	6 12 ,,
3	24.159	18.88	80.7	41.53	81.1	.0364	.8050	19.15.2	R	7 12 ,,
4	24.363	18.85	80.0	41.52	80.7	.0359	.8049	19.15.1	R	8 12 ,,
5	23.745	18.99	79.7	41.57	80.6	.0382	.8055	19.15.2	B	9 12 ,,
6	23.815	19.08	79.9	41·55	80.6	.0397	.8053	19.14.8	B	10 12 ,,
7	23.815	19.20	80.0	41.54	80.6	.0417	.8051	19.14.4	B	11 12 ,,
8	24.363	19.01	79.8	41.54	80.5	.0386	.8051	19.14.8	B	Midnight.
9	24.295	19.07	79.7	41.52	80.5	.0396	.8049	19.14.6	C	1 12 a. m.
10	24.363	19.14	79·9	41.57	80.5	·0407	.8055	19.14.8	C	2 12 ,,
11	24.570	19.11	80.0	41·62	80.5	·0402	.8060	19.15.0	C	3 12 ,,
12	24.983	19.07	79.6	41.65	80.4	.0396	.8064	19.15.1	C	4 12 ,,
13	25.394	19.16	79.8	41.63	80.2	.0410	.8061	19.14.9	R	5 12 ,,
14	26.355	19·16	79.5	41.60	80.0	.0410	.8058	19.14.9	R	6 12 ,,
15	27.658	19.15	79.7	41.62	80.0	.0408	·8060	19.14.9	R	7 12 ,,
16	27.795	19.25	79.7	41.65	80.0	.0425	.8064	19.14.7	R	8 12 ,,
17	24.983	19.71	80.5	41.66	80.4	·0501	.8065	19.13.9	B	9 12 ,,
18	22·444	19.79	80.5	41.64	80.5	.0514	.8062	19.13.6	B	10 12 ,,
19	20·590	19.84	80.3	41.64	80.5	.0522	.8062	19·13.4	B	11 12 ,,
20	19·630	19.98	81.0	41.68	80.9	.0544	.8078	19.13.9	B	Noon.
21	20.002	19.96	81·7	41.73	81.6	.0541	.8072	19.13.6	C	1 12 p. m.
22	20.728	19.92	82.0	41.76	81.9	.0534	.8076	19.14.0	C	2 12 ,,
23	22.444	19.91	82.4	41.76	82.1	.0533	.8076	19.14.0	C	3 12 ,,
Aug. 19th-Noon.	23.267	19.09	84.1	41.85	85·0	.0399	.8086	19.16.0	R	4 12 ,,
1	24·363	19.27	84.0	41.80	85.0	.0429	.8080	19.15.4	R	5 12 ,,
2	24.295	19.14	83.9	41.73	84.4	.0407	.8072	19.15.3	R	6 12 ,,
3	23.609	19.02	82.9	41.72	83.9	·0387	.8071	19.15.5	R	7 12 ,,
4	24.159	18.81	82.3	41.70	83.4	.0353	.8069	19.15·9	R	8 12 ,,
5	24.846	18.86	82.1	41.67	83.1	.0361	.8066	19.15.7	B	9 12 ,,
6	24.649	18.89	81.9	41.45	83·0	.0366	.8042	19.14.7	B	10 12 ,,
7	23.884	19.14	81.6	41.56	82.8	.0407	.8054	19.14.7	B	11 12 ,,
8	23.677	19.23	81.6	41.68	82.7	.0422	.8067	19.15.0	B	Midnight.
9	24.159	19.27	81.5	41.63	82.7	.0429	.8061	19.14.6	C	1 12 a. m.
10	24.295	19.30	81.4	41.65	82.6	.0433	.8064	19.14.7	C	2 12 ,,
11	24.159	19.36	81.4	41·61	82.3	.0443	.8069	19.14.5	C	3 12 ,,

On the 16th, at about 19h. 45m., Dip as obtained by Observation was 19°05'6.

DAILY OBSERVATIONS, FROM 19TH TO 21ST AUGUST 1860.

Date. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1860.
h.										h. m.
Aug. 19th—12	24·363	19.20	81°1	41.56	82°0	8.0417	2.8054	19°14′5	C	4 12 a. m.
13	24.707	19.28	81.0	41.56	82.0	.0430	.8054	19.14.4	R	5 12 „
14	26.561	19.29	80.8	41.57	81.7	.0432	.8055	19.14.5	R	6 12 „
15	27.933	19.46	80.7	41.56	82·0	.0460	.8054	19.14.0	R	7 12 „
16	27.933	19.88	81.3	41.56	82.0	.0528	.8054	19.13.1	R	8 12 „
17	26.286	20.27	82.0	41.62	82.3	.0593	.8060	19.12.5	B	9 12 „
18	24.363	20.69	83.2	41.54	83.1	.0661	.8051	19.11.3	B	10 12 „
19	21.963	20.80	83.2	41.51	83.1	.0679	.8048	19.11.0	B	11 12 „
20	20.453	20.91	84.1	41.53	83·6	·0697	·8050	19.10.8	B	Noon.
21	20.453	20.71	84.6	41.55	84.3	.0665	.8053	19.11.3	C	1 12 p. m.
22	20.247	20.35	85.0	41.54	85.0	.0607	.8051	19.12.0	C	2 12 „
23	21.688	20.12	85.0	41.52	85.6	.0566	.8049	19.12.4	C	3 12 „
Aug. 20th-Noon.	23·335	20.00	85.1	41·53	85·8	.0548	.8050	19.12.7	C	4 12 „
1	25.051	19.56	84.8	41.54	86.0	.0476	.8051	19.13.7	R	5 12 „
2	24.707	19·42	84.0	41.47	85.5	.0453	.8044	19.13.7	R	6 12 „
3	24.295	19.26	83.4	41.41	85.0	.0427	·8037	19.13.8	R	7 12 „
4	24.432	19.14	83.0	41.42	84.0	.0407	.8038	19.14.1	R	8 12 „
5	23.884	19.17	82.9	41.27	84.0	.0412	.8022	19.13.4	B	9 12 „
6	23.816	19.40	82.5	41·67	83·7	.0450	.8066	19.13.5	B	10 12 „
7	23.473	19.46	82.3	41.66	83.5	.0460	.8065	19.14.4	B	11 12 „
8	23.609	19.33	82.1	41.62	83.2	.0438	.8060	19.14.5	B	Midnight.
9	23.816	19.41	82.0	41.59	83.1	.0452	.8057	19.14.3	C	1 12 a. m.
10	23.609	19.46	82.0	41.59	83.0	.0460	.8057	19.14.2	C	2 12 „
11	23.884	19·32	81·8	41.57	83·0	.0436	.8055	19·14.4	C	3 12 „
12	23.816	19·36	81.7	41.57	82.9	.0443	.8055	19.14.4	C	4 12 „
13	24.432	19.45	81.4	41.58	82.5	.0458	.8056	19.14.1	R	5 12 „
14	26.218	19.60	81.4	41.67	82·2	·0482	.8066	19.14.2	R	6 12 „
15	27·933	19.64	81.5	41.67	82.4	.0489	.8066	19.14.0	R	7 12 „
16	27.933	20.01	82.0	41.73	82.5	.0550	.8072	19.13.4	R	8 12 „
17	25.463	20.77	83.1	41.71	83.0	.0675	.8070	19.11.8	B	9 12 „
18	22.649	20.87	83.6	41.70	83.4	.0691	.8069	19.11.4	B	10 12 „
19	20.865	21.10	84.5	41.70	84.0	.0728	.8069	19.11.0	B	11 12 „
20	20.316	21.12	85.1	41.71	84.5	.0731	.8070	19.11.1	B	Noon.
21	19.630	20.80	85.0	41·65	85.0	.0679	·8064	19.11.5	C	1 12 p. m.
22	20·042	20.55	85.7	41.67	85.6	.0638	.8066	19.12.1	C	2 12 „
23	22.237	20.14	85.6	41.73	86.0	.0571	.8072	19.13.2	C	3 12 „
Aug. 21st-Noon.	23.130	19.89	85.5	41.73	86.0	.0530	.8072	19.13.7	C	4 12 „
1	24.639	19.80	85·0	41.68	86.0	·0515	.8067	19.13.7	R	5 12 „
2	24.502	19.70	84.6	41.67	85.5	.0499	.8066	19.13.9	R	6 12 „
3	23.816	19.48	84.0	41·65	85.0	·0463	.8064	19.14.3	R	7 12 „
4	23.816	19.44	83.7	41.64	84.6	.0457	.8062	19·14.2	R	8 12 „
5	23 816	19.39	83.4	41.63	84.2	.0448	.8061	19.14.3	B	9 12 „
6	23.816	19.39	83.1	41.62	84.0	.0448	.8060	19.14.3	B	10 12 „
7	24.090	19.43	83.0	41.61	83.6	.0455	.8059	19.14.2	B	11 12 „
8	23.677	19.52	82·7	41·63	83.5	.0469	.8061	19·14.1	B	Midnight.
9	24.090	19.49	82.7	41.62	83.3	.0465	.8060	19.14.1	C	1 12 a. m.
10	24·226	19.60	82.6	41.65	83.2	.0482	.8064	19.14.1	C	2 12 „
11	24.363	19·56	82.6	41.63	83.0	.0476	.8061	19.14.0	C	3 12 „
12	24.363	19.40	82.2	41.74	83.0	.0450	.8073	19.14.8	C	4 12 „
13	24.846	19.41	82.0	41.78	82·7	.0452	.8078	19.15.0	R	5 12 „
14	26.766	19·44	82.0	41.83	82.5	.0457	.8083	19.15.1	R	6 12 „
15	27.933	19.46	81.9	41.85	82·1	.0460	.8086	19.15.2	R	7 12 „
16	27.247	19.88	82.0	41.87	82.5	·0528	.8088	19.14.4	R	8 12 „
17	24.639	20.50	83.1	41.84	82.9	.0630	.8044	19.12·9	B	9 12 „
18	22.787	20.55	84.1	41.86	83.5	.0638	.8087	19.13.0	B	10 12 „
19	20.590	20.77	84.9	41.89	84.3	.0675	.8090	19.12.6	B	11 12 „
20	19.013	20.69	85.3	42·00	84.9	.0661	.8102	19.13.2	B	Noon.
21	19.699	20.79	85.8	42.01	85.2	.0678	.8103	19.13.1	C	1 12 p. m.
22	19.493	20.41	86.0	42.04	85.7	.0616	.8106	19.14.0	C	2 12 „
23	21.688	20.62	86.1	42.03	86.3	·0649	.8105	19.13.5	C	3 12 „

On the 20th, at about 19h. 15m., Dip as obtained by Observation was 19°08′8.

DAILY OBSERVATIONS, FROM 22ND TO 24TH AUGUST 1860.

DATE. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1860.
h.										h. m.
AUG. 22ND-Noon.	22°54	19.69	85°8	42.05	86°1	8.0497	2.8108	19°15'6	C	4 12 p. m.
1	23.473	19.50	85.0	42.02	85.6	.0466	.8104	19.15.8	R	5 12 ,,
2	23.677	19.46	84.4	41.95	85.0	.0460	.8097	19.15.7	R	6 12 ,,
3	23.953	19.20	84.0	41.94	84.6	.0417	.8095	19.16.1	R	7 12 ,,
4	24.159	19.09	83.0	41.92	84.0	.0399	.8093	19.16.3	R	8 12 ,,
5	23.746	19.15	83.0	41.92	84.0	.0408	.8093	19.16.2	B	9 12 ,,
6	23.677	19.25	83.0	41.93	83.6	.0425	.8094	19.15.9	B	10 12 ,,
7	23.953	19.25	83.0	41.95	83.5	.0425	.8097	19.16.1	B	11 12 ,,
8	24.363	19.28	82.6	41.95	83.5	.0430	.8097	19.16.1	B	Midnight.
9	24.639	19.25	82.8	41.94	83.3	.0425	.8095	19.16.0	C	1 12 a. m.
10	24.776	19.20	82.4	41.93	83.0	.0417	.8094	19.16.0	C	2 12 ,,
11	24.502	19.33	82.4	41.94	83.0	.0438	.8095	19.15.9	C	3 12 ,,
12	24.639	19.35	82.2	41.97	83.0	.0441	.8099	19.16.0	C	4 12 ,,
13	25.120	19.41	82.0	42.04	83.0	.0452	.8106	19.16.1	R	5 12 ,,
14	26.904	19.41	82.0	42.08	82.7	.0452	.8111	19.16.3	R	6 12 ,,
15	28.687	19.58	82.4	42.08	82.8	.0479	.8111	19.16.0	R	7 12 ,,
16	28.413	19.93	82.7	42.09	83.0	.0536	.8112	19.15.2	R	8 12 ,,
17	25.943	20.23	83.6	42.15	83.4	.0586	.8119	19.14.8	B	9 12 ,,
18	23.743	20.64	84.6	42.12	84.1	.0653	.8115	19.13.9	B	10 12 ,,
19	22.581	20.64	85.0	42.16	84.5	.0653	.8120	19.14.1	B	11 12 ,,
20	21.345	20.65	85.0	42.09	84.3	.0654	.8112	19.13.7	B	Noon.
21	20.933	20.57	85.3	42.08	84.9	.0642	.8111	19.13.9	C	1 12 p. m.
22	21.482	20.57	85.9	42.06	85.4	.0642	.8109	19.13.8	C	2 12 ,,
23	22.581	20.28	86.0	42.10	86.0	.0594	.8113	19.14.6	C	3 12 ,,
AUG. 23RD-Noon.	23.816	19.78	84.6	42.15	85.5	.0512	.8119	19.15.9	C	4 12 ,,
1	24.502	19.84	84.4	42.10	85.1	.0522	.8113	19.15.5	R	5 12 ,,
2	24.295	19.59	83.0	42.07	84.0	.0481	.8110	19.16.0	R	6 12 ,,
3	23.816	19.34	83.0	42.07	84.0	.0440	.8110	19.16.5	R	7 12 ,,
4	23.609	19.57	83.0	42.06	83.7	.0478	.8109	19.15.9	R	8 12 ,,
5	23.609	19.57	83.0	42.06	83.6	.0462	.8109	19.16.1	B	9 12 ,,
6	23.884	19.42	82.9	42.09	83.5	.0453	.8112	19.16.3	B	10 12 ,,
7	24.295	19.26	82.7	42.11	83.5	.0427	.8114	19.16.7	B	11 12 ,,
8	24.159	19.54	82.5	42.10	83.4	.0473	.8113	19.16.2	B	Midnight.
9	24.159	19.43	82.2	42.07	83.1	.0455	.8110	19.16.2	C	1 12 a. m.
10	24.226	19.48	82.1	42.08	83.0	.0463	.8111	19.16.2	C	2 12 ,,
11	24.363	19.41	82.0	42.09	83.0	.0452	.8112	19.16.3	C	3 12 ,,
12	24.707	19.56	82.0	42.08	83.0	.0443	.8111	19.16.5	C	4 12 ,,
13	25.189	19.64	81.9	42.08	82.5	.0489	.8111	19.15.8	R	5 12 ,,
14	26.835	19.87	81.8	42.08	82.5	.0462	.8111	19.16.2	R	6 12 ,,
15	27.521	19.57	81.9	42.08	82.5	.0478	.8111	19.16.0	R	7 12 ,,
16	26.080	19.89	82.4	42.08	82.6	.0530	.8111	19.15.3	R	8 12 ,,
17	24.159	20.29	83.3	42.09	83.0	.0596	.8112	19.14.4	B	9 12 ,,
18	22.168	20.46	84.1	42.11	83.7	.0624	.8114	19.14.2	B	10 12 ,,
19	20.385	20.60	85.0	42.08	84.3	.0646	.8111	19.13.7	B	11 12 ,,
20	18.738	20.58	84.9	42.09	84.7	.0643	.8112	19.13.9	B	Noon.
21	18.532	20.44	85.0	42.07	85.0	.0621	.8110	19.14.1	C	1 12 p. m.
22	20.042	19.92	84.0	42.04	84.8	.0534	.8106	19.15.2	C	2 12 ,,
23	22.237	19.93	84.0	42.04	84.5	.0536	.8106	19.15.1	C	3 12 ,,
AUG. 24TH-Noon.	24.021	19.96	84.5	42.12	84.8	.0541	.8115	19.15.4	C	4 12 ,,
1	24.846	19.74	84.6	42.05	85.0	.0506	.8108	19.15.5	R	5 12 ,,
2	24.502	19.65	83.9	41.99	84.7	.0490	.8101	19.15.4	R	6 12 ,,
3	23.677	19.53	83.5	42.01	84.0	.0471	.8103	19.15.8	R	7 12 ,,
4	24.295	19.37	83.0	42.02	84.0	.0445	.8104	19.16.0	R	8 12 ,,
5	24.159	19.31	83.0	41.97	83.7	.0435	.8099	19.16.0	B	9 12 ,,
6	24.295	19.20	83.0	41.96	83.6	.0417	.8098	19.16.2	B	10 12 ,,
7	24.159	20.43	82.7	41.96	83.5	.0455	.8098	19.15.7	B	11 12 ,,
8	24.502	19.28	82.6	41.95	83.4	.0430	.8097	19.16.1	B	Midnight.
9	24.914	19.28	82.4	42.02	83.2	.0430	.8104	19.16.3	C	1 12 a. m.
10	24.846	19.25	82.4	41.97	83.0	.0425	.8099	19.16.1	C	2 12 ,,
11	24.914	19.21	82.0	41.99	83.0	.0419	.8101	19.16.3	C	3 12 ,,

On the 23rd, at about 19h., Dip as obtained by Observation was 18°59'7.

DAILY OBSERVATIONS, FROM 24TH TO 27TH AUGUST 1860.

Date. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1860.
h.										h. m.
Aug. 24th—12	24·846	19.36	82·0	41.99	82·9	8.0443	2.8101	19°16′1	C	4 12 a. m.
13	25.257	19.28	81.9	41.96	82.8	.0430	.8098	19.16.1	R	5 12 „
14	26.561	19.36	81.9	42.00	82.8	.0443	.8102	19.16.1	R	6 12 „
15	28.138	19.42	82.0	42.01	82.6	.0453	.8103	19.16.0	R	7 12 „
16	27.178	19.84	82.8	42.04	83.0	.0522	.8105	19.15.2	R	8 12 „
17	25.875	20.21	83.4	42.00	83.3	.0583	.8102	19.14.3	B	9 12 „
18	23.746	20.49	84.4	42.02	84.0	.0629	·8104	19.13.7	B	10 12 „
19	22.101	20.61	85.1	42.04	84.5	.0648	.8106	19.13.0	B	11 12 „
20	20.796	20.56	85.6	42.05	85.1	.0640	.8108	19.13.8	B	Noon.
21	21.208	20.50	86.0	42.02	85.8	.0630	.8104	19.13.7	C	1 12 p.m.
22	22.237	20.32	86·4	42.03	86.2	.0600	.8105	19.14.2	C	2 12 „
23	23.473	20.12	86.5	42.04	86.6	.0567	.8106	19.14.6	C	3 12 „
Aug. 25th—Noon.	24·502	20·02	86.5	42.01	87.0	.0551	.8103	19.14.7	C	4 12 „
1	24.983	19.98	86.1	41.97	87.1	·0544	.8099	19.14.7	R	5 12 „
2	24.432	19.83	85.3	41.93	86.6	.0520	.8094	19.14.7	R	6 12 „
3	23.816	19.72	84.9	41.91	86.2	·0502	.8092	19.14.9	R	7 12 „
4	23.746	19.61	84.5	41·92	85.9	.0484	.8093	19.15.3	R	8 12 „
5	23.609	19.62	84.0	41.91	85.0	.0485	·8092	19.15.0	B	9 12 „
6	23.540	19.61	83.9	41.95	85.0	.0484	.8097	19.15.5	B	10 12 „
7	23.677	19.61	83.9	41.91	85.0	·0484	.8092	19.15.2	B	11 12 „
8	24.226	19.61	83.6	41.92	84.7	.0484	.8093	19.15.3	B	Midnight.
9	24.502	19.64	83.6	41.89	84.7	.0489	.8090	19.15.0	C	1 12 a. m.
10	24.502	19.69	83.3	41.89	84.5	.0497	.8090	19.14.9	C	2 12 „
11	24.432	19·74	83.2	41.90	84.3	·0506	.8091	19.14.8	C	3 12 „
12	24.776	19.72	82.9	41.90	84.1	.0502	.8091	19.14.9	C	4 12 „
13	25.532	19.67	82.9	41.92	84.0	.0494	.8093	19.15.1	R	5 12 „
14	26.904	19.77	82·7	41.91	83.6	.0511	.8092	19.14.8	R	6 12 „
15	28.138	19.77	82.6	41.91	83.6	.0511	.8092	19.14.8	R	7 12 „
16	28.070	20.14	83.4	41·92	84.0	.0571	.8093	19.14.1	R	8 12 „
17	26.355	20.51	84.0	41.93	84.3	.0632	.8094	19.13.3	B	9 12 „
18	23.404	21.09	85.0	41·93	85.0	.0727	.8094	19.12·0	B	10 12 „
19	21.688	21.08	85.4	41.91	85.3	.0725	.8092	19.11.9	B	11 12 „
20	20.865	21.01	85.6	41.92	85.7	.0714	.8093	19.12.3	B	Noon.
21	21.002	21.00	86.0	41.93	86.1	.0712	.8094	19.12.3	C	1 12 p.m.
22	22.032	20.78	86.4	41.97	86.6	.0676	.8099	19.12.9	C	2 12 „
23	23.130	20.57	86.5	41.96	87.0	.0642	.8098	19.13.4	C	3 12 „
Aug. 27th—Noon.	24.432	20.31	86.5	42.02	88.0	.0599	.8104	19.14.1	R	4 12 „
1	24.570	20.05	86.0	41.99	87.7	.0556	.8101	19.14.5	R	5 12 „
2	24.021	20.01	85.5	41.99	87.5	.0550	.8101	19.14.6	R	6 12 „
3	23.609	19.90	85.0	41.94	86.8	.0531	.8095	19.14.7	R	7 12 „
4	23.677	19·72	84·7	41.89	86.4	.0502	.8090	19.14.9	R	8 12 „
5	23.884	19·60	84.5	41.93	86.2	.0482	.8094	19.15.3	B	9 12 „
6	24.090	19.65	84.2	41.87	85.7	.0490	.8088	19.14.9	B	10 12 „
7	24.159	19.77	84.0	41.85	85.5	.0511	.8086	19.14.6	B	11 12 „
8	24.205	19.74	84.1	41.89	85.5	.0506	.8090	19.14.8	B	Midnight.
9	24.502	19.85	83.9	41.88	85.4	.0525	.8089	19.14.4	C	1 12 a. m.
10	24.432	19.75	83.9	41.88	85.2	.0507	·8089	19.14.7	C	2 12 „
11	24.363	19.80	83.5	41.90	85.0	.0515	.8091	19.14.6	C	3 12 „
12	24.275	19.80	83.3	41·86	84.8	.0515	.8087	19.14.5	C	4 12 „
13	24.432	19.79	83.0	41.86	84.6	.0524	.8087	19·14.5	R	5 12 „
14	27.590	19·54	83.3	41·93	84.4	.0473	.8093	19.15.4	R	6 12 „
15	28.481	19.74	83.3	41.86	84.3	.0506	.8087	19.14.7	R	7 12 „
16	27.590	20.04	83.5	41.88	84.2	.0555	.8089	19.14.0	R	8 12 „
17	25.120	20.25	83.5	41.88	84.5	.0589	.8089	19.13.6	B	9 12 „
18	23.130	20.51	84·0	41.86	84.7	.0632	.8087	19.13.1	B	10 12 „
19	21.002	20.74	84.7	41.89	85.1	.0670	·8090	19.12.7	B	11 12 „
20	20.522	20.88	84.5	41.91	85.6	.0692	.8092	19.12·4	B	Noon.
21	21.139	20.92	86.2	41.86	86.0	.0698	.8087	19.12.2	C	1 12 p.m.
22	22.581	20.84	86.5	41.88	86·5	.0686	·8089	19.12.3	C	2 12 „
23	24.081	20.40	86.1	41.93	86.9	.0664	.8094	19.13.6	C	3 12 „

On the 27th, at about 19h. 10m., Dip as obtained by Observation was 19°09′4.

DAILY OBSERVATIONS, FROM 28TH TO 30TH AUGUST 1860.

Date. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1860.
h.										h. m.
Aug. 28th-Noon.	24·363	20.19	86·0	41.91	87·0	8.0579	2.8092	19°13·9	C	4 12 p. m.
1	24.090	20.05	85.5	41.90	86.7	.0556	.8091	19.13.1	R	5 12 „
2	24.021	20.05	85.0	41.84	86.0	.0556	·8084	19.13.8	R	6 12 „
3	23·816	19.86	84.5	41.83	85.6	.0525	·8083	19.14.2	R	7 12 „
4	23.746	19.86	84.2	41.81	85.5	.0525	.8081	19.14.1	R	8 12 „
5	24.021	19.86	84.0	41.81	85.3	.0525	.8081	19.14.1	B	9 12 „
6	24.021	19.65	83.8	41.81	85.1	.0490	.8081	19.14.6	B	10 12 „
7	23.884	19·68	83.8	41.83	85.0	.0495	.8083	19.14.6	B	11 12 „
8	23.884	19.78	83.7	41.82	84·6	.0512	.8082	19.14.4	B	Midnight.
9	24.090	19.74	83.4	41.80	84.6	.0506	.8080	19·14.4	C	1 12 a. m.
10	24.090	19.74	83.2	41.79	84.6	.0506	.8079	19.14.3	C	2 12 „
11	23.884	19.79	83.1	41.79	84·5	.0514	.8079	19·14.3	C	3 12 „
12	24.090	19.77	83.0	41.80	84.3	.0511	.8080	19.14.4	C	4 12 „
13	24.159	19.86	82.9	41.82	84·0	.0525	.8082	19·14.1	R	5 12 „
14	26.766	19.79	83.0	41.82	84.0	.0514	.8082	19.14.4	R	6 12 „
15	28.001	19.79	83.0	41.82	84.0	.0514	.8082	19.14.4	R	7 12 „
16	27.933	20.07	82.6	41.81	83.7	.0560	.8081	19.13.7	R	8 12 „
17	26.080	20.65	83.2	41.78	84.0	.0654	.8078	19.12.4	B	9 12 „
18	23.884	20.90	83.6	41.77	84.1	.0695	.8077	19.11.8	B	10 12 „
19	21.826	21.05	84.7	41.84	84.6	.0720	.8084	19.11.7	B	11 12 „
20	20.659	21.01	85.3	41.86	85.3	.0714	.8087	19.12.1	B	Noon.
21	20.522	20.94	85.5	41.85	85.6	.0702	.8086	19.12.1	C	1 12 p. m.
22	22.101	20.73	85.8	41.89	86.2	.0668	.8090	19.12.7	C	2 12 „
23	23.677	20.51	85.9	41.90	86·6	.0632	.8091	19.13.2	C	3 12 „
Aug. 29th-Noon.	25.189	20.26	85.9	41.91	86.9	.0591	.8092	19.13.7	C	4 12 „
1	24.846	20.11	85.1	41.80	86.5	.0566	·8080	19.13.6	R	5 12 „
2	24.226	20·05	84.5	41.78	86.0	.0556	.8078	19.13.6	R	6 12 „
3	24.090	19.77	84.0	41.77	85.5	.0511	.8077	19.14.3	R	7 12 „
4	24.159	19.67	84.0	41.75	85.1	.0494	.8075	19·14.4	R	8 12 „
5	24.090	19.79	83.9	41.70	85.0	.0514	.8069	19.13.9	B	9 12 „
6	23.953	19.67	83.7	41.73	85.0	.0494	.8072	19.14.2	B	10 12 „
7	24.159	19.59	83.5	41.71	84.8	.0481	·8069	19.14.3	B	11 12 „
8	24.090	19.81	83.6	41.74	84.5	.0517	.8073	19.13.9	B	Midnight.
9	24.432	19.74	83.3	41.70	84.5	.0506	.8069	19.13.9	C	1 12 a. m.
10	24.295	19.74	83·0	41.68	84.4	.0506	.8067	19.13.9	C	2 12 „
11	24.159	19.84	83.0	41.68	84·2	.0522	.8067	19.13.7	C	3 12 „
12	24.159	19.81	82.7	41.66	83.9	.0517	.8065	19.13.6	C	4 12 „
13	24.639	19.97	82.5	41.71	83.6	.0543	.8070	19.13.6	R	5 12 „
14	26.835	20.44	82.6	41.71	83.5	.0621	.8070	19.12.5	R	6 12 „
15	28.756	20.15	82.5	41.70	83.3	.0572	.8069	19.13.1	R	7 12 „
16	28.687	20.12	82.6	41.71	83.5	.0567	·8070	19.13.2	R	8 12 „
17	26.420	20.55	83.7	41.67	84.0	.0638	.8066	19.12.1	B	9 12 „
18	23.540	20.59	83·6	41.70	84.0	.0645	.8069	19·12.0	B	10 12 „
19	20.865	20.85	84.1	41.74	84.1	.0687	.8073	19.11.7	B	11 12 „
20	19.218	20.90	84.7	41.79	84.6	.0695	.8079	19.11.8	B	Noon.
21	19.699	20.89	85.4	41.82	85.6	.0694	.8082	19.12.0	C	1 12 p. m.
22	21.619	20.81	85·9	41.89	86.4	.0681	·8090	19.12.6	C	2 12 „
23	23.473	20.63	86.0	41.91	86.9	.0651	.8095	19.12.9	C	3 12 „
Aug. 30th-Noon.	24.502	20.42	86.0	41.91	87.0	.0617	.8092	19.13·3	C	4 12 „
1	24.707	19.93	85.6	41.91	87.0	.0536	.8092	19.14.4	R	5 12 „
2	23.816	19.55	85.0	41.99	86·2	.0474	.8101	19.15.7	R	6 12 „
3	23.816	18.94	84.4	42.03	86.0	.0374	.8105	19.17.2	R	7 12 „
4	24.363	18.92	84.0	41.92	85.5	.0370	·8093	19.16.9	R	8 12 „
5	23.267	19.35	83·7	41·91	85.2	.0441	.8092	19.15.7	B	9 12 „
6	23·953	19.37	83.6	41.90	85.0	.0445	.8091	19.15.5	B	10 12 „
7	23.677	19.67	83.5	41.89	84.8	.0494	.8090	19.15·0	B	11 12 „
8	23.677	19.63	83.5	41.89	84·6	.0487	.8090	19.15.0	B	Midnight.
9	23.816	19.58	83.2	41.85	84.4	.0479	.8086	19.15.0	C	1 12 a. m.
10	23.540	19.58	83.1	41.88	84.2	.0479	.8089	19.15.1	C	2 12 „
11	22.923	19.90	83.0	41.87	84.0	.0531	.8088	19.14.4	C	3 12 „

DAILY OBSERVATIONS, FROM 30TH AUGUST TO 2ND SEPTEMBER 1860.

DATE. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. — In English Units.	Absolute Vertical Force. — In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1860.
h.										h. m.
AUG. 30TH—12	24·090	19.97	83·0	41.85	83·9	8.0543	2.8086	19°14'2	C	4 12 a. m.
13	24.159	19.80	82.8	41.87	83.7	.0515	.8088	19.14.5	R	5 12 „
14	26.766	19.59	82.9	41.91	83.7	.0481	.8092	19.15.2	R	6 12 „
15	29.030	19.30	82.8	41.91	83.6	·0433	.8092	19.15.8	R	7 12 „
16	29.510	19.66	83.4	41.92	84.0	.0492	.8093	19.15.1	R	8 12 „
17	26.835	20.11	84.3	41.88	84.3	.0566	.8089	19.13.9	B	9 12 „
18	24·021	20.56	85.1	41.91	85.0	.0640	.8092	19.13.1	B	10 12 „
19	21.688	20.70	85.5	41.94	85.4	.0663	.8095	19.13.0	B	11 12 „
20	19.287	20.77	86.1	41.96	85.9	.0675	.8098	19·12.9	B	Noon.
21	19.218	20.68	86.1	41.99	86·3	.0659	.8101	19.13.2	C	1 12 p. m.
22	21.551	20.38	86.4	42.16	86.8	.0610	.8120	19.14.7	C	2 12 „
23	23.609	20.22	86.4	42.12	87.2	.0584	.8115	19.14.9	C	3 12 „
AUG. 31ST-Noon.	25.189	20.08	86.3	42.13	87.5	.0561	.8116	19.15.1	C	4 12 „
1	24.776	19.93	85.8	42.07	87.4	.0536	.8110	19.15.2	R	5 12 „
2	24.159	19.84	85.0	42.01	86.9	.0522	.8103	19.15.1	R	6 12 „
3	23.473	19.76	84.5	41.96	86.0	.0509	.8098	19.15.1	R	7 12 „
4	23.473	19.35	84.0	41.97	85.5	.0441	·8099	19.16.0	R	8 12 „
5	23.540	19.33	84.0	41.95	85.5	.0438	.8097	19.16.0	B	9 12 „
6	23.677	19.53	83.8	41.91	85.2	.0471	.8092	19.15.3	B	10 12 „
7	24.090	19.56	83.7	41.90	85.1	.0476	.8091	19.15.2	B	11 12 „
8	24.090	19.52	83.5	41.93	85.0	.0469	.8094	19.15.4	B	Midnight.
9	24.363	19·46	83.4	41.90	84·9	.0460	.8091	19.15.4	C	1 12 a. m.
10	24.776	19.35	83.2	41.89	84.6	.0441	.8090	19.15.7	C	2 12 „
11	24.159	19.66	83.0	41.88	84.3	.0492	.8089	19.14.9	C	3 12 „
12	24.226	19.58	83.0	41.88	84.2	·0479	.8089	19.15.1	C	4 12 „
13	25.189	19.59	82.7	41.90	84·0	.0481	.8091	19.15.2	R	5 12 „
14	26.904	19.25	82.5	41.92	84.0	.0425	.8093	19.15.9	R	6 12 „
15	29.305	19.34	82.7	41.91	83.7	.0440	.8092	19.15.7	R	7 12 „
16	28.962	19.70	83.4	41.87	84.0	.0499	.8088	19.14.8	R	8 12 „
17	26.904	20.11	84.3	41.89	84.5	.0566	.8090	19·14.0	B	9 12 „
18	23.746	20·37	84.6	41.89	84.8	.0609	.8090	19.13.5	B	10 12 „
19	21.345	20.72	85.1	41.91	85.2	.0666	.8092	19.12.7	B	11 12 „
20	19·561	20.80	85.5	41.92	85·8	.0679	.8093	19.12.7	B	Noon.
21	19.287	20·69	86.0	41.96	86.4	.0661	.8098	19.13.1	C	1 12 p. m.
22	20.316	20.50	86.9	41.98	87.0	.0630	·8100	19.13.6	C	2 12 „
23	22.237	20.18	87.0	42.03	87·7	.0577	.8105	19·14.5	C	3 12 „
SEPT. 2ND-Noon.	24.846	19.76	87.0	42.03	88.4	·0509	·8005	19.15.4	C	4 12 „
1	25.189	19.70	86.4	41.96	87.9	.0499	.8098	19.15.2	C	5 12 „
2	24.502	19.74	85.5	41.90	87.3	.0506	.8091	19.14.8	C	6 12 „
3	24.363	19·62	84·9	41.85	86·7	.0485	.8086	19.14.8	C	7 12 „
4	24.159	19·58	84.6	41.83	86.4	.0479	.8083	19.14.9	C	8 12 „
5	24.159	19.51	84.5	41.89	86 4	.0468	.8090	19.15.3	R	9 12 „
6	24·090	19.86	84.5	41.88	86.0	.0525	.8089	19.14.4	R	10 12 „
7	24.159	19.69	84.4	41.85	85.7	.0497	.8086	19.14.7	R	11 12 „
8	24·363	19.72	84.2	41.84	85.4	.0502	.8084	19.14.6	R	Midnight.
9	24.363	19.84	82.2	41.84	85.2	.0522	.8084	19.14.3	B	1 12 a. m.
10	24.363	19.85	84.2	41.84	85.2	.0523	.8084	19.14.3	B	2 12 „
11	24.363	19.79	84.1	41.81	85.2	.0514	.8081	19.14.4	B	3 12 „
12	24.502	19.80	83.8	41.83	85.1	.0515	.8083	19.14.3	B	4 12 „
13	25.120	19.85	83.6	41.80	85.0	.0523	.8080	19.14.2	C	5 12 „
14	27.384	19.77	83.6	41.85	85.0	.0511	.8086	19.14.6	C	6 12 „
15	28·962	19.55	83.9	41.84	84·8	.0474	.8084	19·15.0	R	7 12 „
16	28.850	19.66	84.3	41.83	84.9	·0492	.8083	19.14.7	C	8 12 „
17	25.532	19.94	84.7	41.85	85.0	.0538	·8086	19.14.2	R	9 12 „
18	22.718	20.15	85·0	41·86	85·4	.0572	.8087	19.13.9	R	10 12 „
19	20.865	20.48	85.7	41.87	85.5	.0627	.8088	19.13.1	R	11 12 „
20	20.042	20.64	86.4	41.84	86.0	.0653	.8084	19.12.6	R	Noon.
21	19·904	20.66	86.3	41.83	85·9	.0656	.8083	19.12.5	B	1 12 p. m.
22	20.522	20.52	86.5	41.87	86.2	.0633	·8088	19.13.1	B	2 12 „
23	22.237	20.36	86.8	41·90	86.7	.0607	.8091	19.13.5	B	3 12 „

On the 30th, at about 19h. 15m., Dip as obtained by Observation was 19°06'2.
On the 31st, at about 19h. 15m., Deflection Observations were taken.

DAILY OBSERVATIONS, FROM 3RD TO 5TH SEPTEMBER 1860.

DATE. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1860.
h.										h. m.
SEPT. 3RD-Noon.	24'159	20.08	86'3	41.90	86'7	8.0561	2.8091	19°14'1	B	4 12 p. m.
1	24.914	19·84	85.3	41.88	86.1	.0522	.8089	19.14.5	C	5 12 ,,
2	24.637	19.72	85.0	41.81	85.8	.0502	.8081	19.14.5	C	6 12 ,,
3	24.226	19.57	84.7	41.81	85.4	.0478	.8081	19.14.8	C	7 12 ,,
4	24·159	19.61	84.5	41.81	85.4	.0484	.8081	19.14.8	C	8 12 ,,
5	24.226	19.57	84.3	41.81	85·2	.0478	.8081	19.14.8	C	9 12 ,,
6	24.226	19.43	83.5	41.76	83.5	.0455	.8073	19.14.7	R	10 12 ,,
7	23.677	19.45	82.9	41.74	83.0	.0458	.8073	19.14.7	R	11 12 ,,
8	23·816	19.63	82.8	41.79	83.0	.0487	.8079	19.14.5	R	Midnight.
9	24.090	19.57	82.5	41.87	83.0	.0478	·8088	19.15.1	B	1 12 a. m.
10	24.090	19.62	82.6	41.89	83.0	.0485	.8090	19.15.0	B	2 12 ,,
11	24.226	19.57	82.4	41.87	83.0	.0478	.8088	19.15.1	B	3 12 ,,
12	24.432	19.58	82.3	41.87	83.0	.0479	.8088	19.15.1	B	4 12 ,,
13	24.914	19.65	82.5	41.89	83.0	.0490	.8090	19.15.0	C	5 12 ,,
14	26.766	19.56	82.0	41.92	82.9	.0476	.8093	19.15.3	C	6 12 ,,
15	28.276	19.54	81.9	41.88	82.5	.0473	·8089	19.15.2	R	7 12 ,,
16	28.481	19.53	82.1	41.88	82.6	.0471	.8089	19.15.2	C	8 12 ,,
17	26.561	19.91	82.3	41.88	82.6	.0533	.8089	19.14.4	R	9 12 ,,
18	24·021	20.37	82.8	41.89	82.9	.0609	.8090	19.10.5	R	10 12 ,,
19	21.619	20.45	82.4	41.89	82.9	.0622	.8090	19.13.3	R	11 12 ,,
20	21.139	20.40	82.0	41·88	82·5	.0614	.8089	19.13.4	R	Noon.
21	21.139	20.32	82.1	41.82	82.1	.0600	.8082	19.13.2	B	1 12 p. m.
22	22.444	20.17	82.6	41·83	82.3	.0576	.8083	19.13.6	B	2 12 ,,
23	24.021	20.09	83.1	41.84	83.0	.0563	.8084	19·13.8	B	3 12 ,,
SEPT. 4TH-Noon.	25.806	19.89	82·2	41·86	82.7	.0530	.8087	19.14.4	B	4 12 ,,
1	25.806	19.86	81.7	41.85	82.2	.0509	.8086	19.14.6	C	5 12 ,,
2	24.914	19·78	81.0	41.86	82.0	.0495	.8087	19.14.8	C	6 12 ,,
3	23.677	20.22	80·5	41.84	81.3	.0584	.8084	19.13.6	C	7 12 ,,
4	23.677	20.17	80.4	41.80	81.1	·0576	.8080	19.13.5	C	8 12 ,,
5	24.432	20.00	80.0	41.83	81.0	.0548	·8083	19.13.9	C	9 12 ,,
6	24 983	19.65	80·0	41.83	81.0	.0490	.8083	19.14.7	R	10 12 ,,
7	24.707	19.00	80.0	41.83	81.0	.0384	.8083	19.16.2	R	11 12 ,,
8	24.776	18.84	80.2	41.83	81.0	.0358	.8083	19.16.4	R	Midnight.
9	24.846	18.60	80.2	41.85	81.1	·0318	.8086	19.17.0	B	1 12 a. m.
10	23.677	19.32	80.4	41.85	81.3	.0436	.8087	19.15.6	B	2 12 ,,
11	24.502	19.24	80.9	41.87	81.5	.0424	.8088	19.15·8	B	3 12 ,,
12	25.600	19.09	80.8	41.87	81.2	.0399	.8088	19.16.1	B	4 12 ,,
13	25.463	19.24	80.8	41.89	81.3	·0424	.8090	19.15.9	C	5 12 ,,
14	26.972	19.21	80.2	41.89	81.0	.0419	.8090	19.15.9	C	6 12 ,,
15	28.001	19.13	80.0	41.89	81.0	.0422	.8090	19.15.9	R	7 12 ,,
16	26.835	19.12	80·1	41.92	80.9	.0420	.8093	19.16.0	C	8 12 ,,
17	24.159	19.64	80.5	41.92	81.0	.0489	.8093	19.15.1	R	9 12 ,,
18	22.168	19.94	80.8	41.93	81.1	·0538	.8094	19.14.5	R	10 12 ,,
19	21.208	20.08	81.5	41.95	81.7	·0561	.8097	19.14.0	R	11 12 ,,
20	20.179	20.09	81.6	41.96	81.9	.0563	.8098	19.14.4	R	Noon.
21	20.522	19.96	82.1	42.02	82.3	.0541	·8104	19.14.9	B	1 12 p. m.
22	21.688	19.49	81.3	42·01	82.1	.0465	.8103	19.15.7	B	2 12 ,,
23	23.130	19.26	81.7	42·02	82.3	.0427	.8104	19.16.3	B	3 12 ,,
SEPT. 5TH-Noon.	24.502	19.10	81.6	42.02	82.2	.0400	.8104	19.16.7	B	4 12 ,,
1	24.707	19.05	81.4	42.01	82.2	.0392	.8103	19.16.8	C	5 12 ,,
2	24.502	19.01	81.0	41.96	82.1	.0386	.8098	19.16.6	C	6 12 ,,
3	24.295	18.83	81.0	42.01	81.9	·0356	.8103	19.17.2	C	7 12 ,,
4	24.226	18.78	81.0	41.97	81.7	.0348	.8099	19·17.1	C	8 12 ,,
5	23.953	18.92	80.9	42.00	81.5	.0370	.8102	19.17.0	C	9 12 ,,
6	23.884	19.11	80.9	41.96	81.3	.0402	·8098	19.16.5	R	10 12 ,,
7	24.090	19.21	80.7	42.01	81·0	·0419	.8103	19.16.4	R	11 12 ,,
8	24.159	19.19	80.5	42.03	81.0	·0415	.8105	19.16.5	R	Midnight.
9	24.090	19.34	80.5	42·00	81.2	·0440	.8102	19.16.1	B	1 12 a.m.
10	24·226	19.34	80.5	42.04	81.2	.0440	.8106	19.16.3	B	2 12 ,,
11	24.295	19.34	80.5	42.04	81.2	.0440	.8106	19.16.3	B	3 12 ,,

DAILY OBSERVATIONS, FROM 5TH TO 7TH SEPTEMBER 1860.

DATE. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1860.
h.										h. m.
SEPT. 5TH—12	24'432	19.34	80°3	42.03	81°1	8.0440	2.8105	19°16'3	B	4 12 a. m.
13	25.572	19.36	80.2	42.03	81.0	.0443	.8105	19·16.3	C	5 12 „
14	28.001	19.28	79.9	42.03	81·0	.0430	.8105	19.16.4	C	6 12 „
15	29.030	19.32	79.9	42.07	80.7	.0436	.8110	19.16.5	B	7 12 „
16	28.138	19.62	80·0	42.02	80.6	.0485	.8104	19.15.5	C	8 12 „
17	25.532	20.12	80.4	42.03	81.0	.0567	.8105	19.14.6	B	9 12 „
18	23.267	20.53	80.6	42.03	81.0	·0635	.8105	19.13.7	B	10 12 „
19	21.002	20.80	81.1	42.04	81·3	.0679	.8106	19.13.2	B	11 12 „
20	19.287	20.85	81.4	42.05	81.5	.0687	.8107	19.13.1	B	Noon.
21	19.424	20.64	81.3	42.04	81.4	.0653	.8106	19.13.5	B	1 12 p. m.
22	20.385	20.30	81.3	42.06	81.3	.0597	.8109	19.14.3	B	2 12 „
23	22.033	20.11	81.2	42.09	81.3	.0566	.8112	19.14.8	B	3 12 „
SEPT. 6TH—Noon.	23.609	19.86	81.6	42.11	82.0	.0525	.8114	19.15.4	B	4 12 „
1	24.570	19.56	80.9	42.08	81.8	.0476	·8111	19.16.0	C	5 12 „
2	24.639	19.31	79.8	42.03	81.1	.0435	.8105	19.16.3	C	6 12 „
3	24.639	19.33	79.8	42.06	81.0	.0438	.8109	19.16.4	C	7 12 „
4	24.432	19.28	79.8	42.04	80.8	.0430	.8106	19.16.4	C	8 12 „
5	23.609	19.31	79.8	42.02	80.1	.0435	.8104	19.16.2	C	9 12 „
6	23.816	19.41	79.8	42.09	80.1	.0452	.8112	19.16.3	B	10 12 „
7	24.021	19.40	79.9	42·10	80.3	.0450	.8113	19·16.4	B	11 12 „
8	24.295	19.34	79.9	42.12	80.5	.0440	.8115	19.16.7	B	Midnight.
9	24.363	19.39	80.2	42.10	80.8	.0448	.8113	19.16.4	B	1 12 a. m.
10	22.444	18.87	80·1	42.10	80.8	.0363	.8113	19.17.6	B	2 12 „
11	23.267	18.76	79.8	42.10	80.5	.0345	.8113	19.17.7	B	3 12 „
12	26.012	18.26	80.0	42.12	80.6	.0263	.8115	19.19.0	B	4 12 „
13	27.452	18.39	79.8	42.14	80.5	.0284	.8117	19.18.9	C	5 12 „
14	26.561	17.90	79.7	42.09	80.4	.0203	.8112	19.19.6	C	6 12 „
15	29.236	18.65	80.0	42.13	80.4	.0326	.8116	19.18.1	B	7 12 „
16	28.615	18.90	79.9	42.07	80.2	.0367	.8110	19.17.4	B	8 12 „
17	28.276	18.72	80.0	42.12	80.5	.0338	.8115	19.18.0	B	9 12 „
18	27.178	18.14	80.8	42·12	80.8	.0243	.8115	19.19.3	B	10 12 „
19	25.600	17.86	82.0	42.18	81.6	.0197	.8122	19.20.0	B	11 12 „
20	24.846	16.73	81.0	42.15	81.5	.0012	.8119	19.22.4	B	Noon.
21	24.846	16.29	81.7	42.10	81.3	7.9940	.8113	19.23.1	C	1 12 p. m.
22	25.189	16.67	83.0	42.18	82.6	8.0002	.8122	19.22.6	C	2 12 „
23	26.218	16.55	82.0	42.15	82.4	7.9982	.8119	19.22.4	C	3 12 „
SEPT. 7TH—Noon.	24.363	17.64	82.3	42.13	82.5	8.0161	.8116	19.20.3	B	4 12 „
1	24.570	16.79	81.5	42.07	82.1	.0022	·8110	19.21.9	C	5 12 „
2	25.189	16.32	81.2	42.12	82.2	7.9944	·8115	19.23.2	C	6 12 „
3	23.884	16.98	81.2	42.11	82.2	8.0052	.8114	19.21.6	C	7 12 „
4	27.109	16.95	81.4	42.11	82.0	.0047	.8114	19.21.6	C	8 12 „
5	25.600	16.95	81.4	42.14	82.0	.0047	.8117	19.21.8	B	9 12 „
6	24.707	17.74	81.5	42.14	82·0	.0178	.8117	19.20.2	B	10 12 „
7	24.639	17.84	81.7	42.16	82.0	.0194	.8119	19.20.0	B	11 12 „
8	24.914	17.67	81.2	42.15	82.0	.0166	.8118	19.20.3	B	Midnight.
9	25.189	17.84	81·3	42.13	82.2	.0194	.8116	19.19.9	B	1 12 a. m.
10	25.257	18.30	81.4	42.14	82.1	.0269	.8117	19.19.0	B	2 12 „
11	25.600	18.02	81.2	42.09	82.0	.0223	.8112	19.19.3	B	3 12 „
12	24.776	18.34	80.5	42.09	81.4	.0276	.8112	19.18.6	B	4 12 „
13	26.012	18.56	80.9	42·08	81.4	.0312	.8111	19.18.3	C	5 12 „
14	25.904	18·45	81.4	42.08	82.0	.0294	.8111	19.18.4	C	6 12 „
15	27.590	18.52	81.6	42.16	82.0	.0305	.8120	19.18.6	C	7 12 „
16	27.375	18.84	81.9	42.13	82.0	.0358	.8116	19.17.7	C	8 12 „
17	26.433	19.11	81.7	42.09	82.0	.0402	.8112	19.17.0	B	9 12 „
18	24.502	19.59	81.9	42·09	82.0	.0481	.8112	19.16.0	B	10 12 „
19	22.374	19.95	82.0	42.09	82·1	.0539	.8112	19.15.2	B	11 12 „
20	21.758	20.00	82.5	42.12	82.4	.0548	.8115	19.15.2	B	Noon.
21	21.683	20.06	82.8	42·13	82.8	.0558	.8116	19.15.1	B	1 12 p. m.
22	22.718	19.58	83.2	42.15	83.3	.0479	.8119	19.16.3	B	2 12 „
23·	24.021	19.44	83.6	42.16	83.6	.0457	.8120	19.16.6	B	3 12 „

On the 6th, at about 19h. 15m., Dip as obtained by Observation was 19°09'0.
A slight Magnetic Disturbance of the 6th and 7th September.

DAILY OBSERVATIONS, FROM 9TH TO 11TH SEPTEMBER 1860.

DATE. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1860.
h.										h. m.
SEPT. 9TH—Noon.	25'326	19.07	82°9	42·11	83°5	8.0396	2.8114	19°17'1	C	4 12 p. m.
1	25.189	19.17	82.6	42·05	83.4	.0412	.8108	19.16.8	C	5 12 ,,
2	24.295	19.10	82.2	42.08	83.2	.0400	.8111	19.17.0	C	6 12 ,,
3	24·295	19.16	82.0	42.03	83.1	.0414	.8105	19·16.7	C	7 12 ,,
4	23.953	19.19	81.9	42.03	83.0	.0415	.8105	19.16.5	C	8 12 ,,
5	23.746	19.22	81.9	42.03	83.0	.0420	.8105	19.16.5	R	9 12 ,,
6	23.816	19.17	81.8	42.06	82.7	.0412	.8109	19.16.8	R	10 12 ,,
7	23.816	19.18	81.8	42.08	82.6	.0413	.8111	19.16.9	R	11 12 ,,
8	24.090	19.12	81.8	42.08	82.5	.0403	.8111	19.17.0	R	Midnight.
9	24.432	19.25	81.8	42.08	82.5	.0425	·8111	19.16.6	B	1 12 a. m.
10	24.502	19.18	81.5	42.08	82.5	.0413	.8111	19.16.9	B	2 12 ,,
11	24.432	19.21	81.4	42.07	82.4	.0419	.8110	19.16.7	B	3 12 ,,
12	24.295	19.25	81.4	42.07	82.4	.0425	.8110	19.16.6	B	4 12 ,,
13	24.846	19.13	81.3	42.07	82.3	.0405	.8110	19.16.9	C	5 12 ,,
14	26.561	19.13	81.3	42.07	82.2	.0405	.8110	19.16.9	C	6 12 ,,
15	27.795	19.07	81.5	42.06	82.1	.0396	.8109	19.16.9	C	7 12 ,,
16	27.727	19.16	82.0	42·07	82.3	.0410	.8109	19.16.8	C	8 12 ,,
17	25.669	19.49	82.7	42·09	83.0	.0465	.8112	19.16.1	R	9 12 ,,
18	23.473	19.76	83.0	42.04	83.0	·0509	.8106	19.15.4	R	10 12 ,,
19	21.002	20.14	83.9	42.06	83.5	.0571	.8109	19.14.7	R	11 12 ,,
20	19.973	20.19	84.3	42.12	84.0	.0579	.3117	19.15.0	R	Noon.
21	20.933	20.12	84.3	42.13	84.2	.0567	.8116	19·15.0	B	1 12 p. m.
22	21.758	20.07	84.4	42.03	84.4	.0560	.8105	19.14.7	B	2 12 ,,
23	23.473	20.87	84.4	42.08	84.4	.0527	.8111	19.15.3	B	3 12 ,,
SEPT. 10TH—Noon.	25.189	19.62	84·1	42.03	84.4	.0485	.8105	19·15.6	B	4 12 ,,
1	25.463	19.50	83.5	42.04	84.1	.0466	.8106	19.15.9	C	5 12 ,,
2	24.295	19.49	83.0	42.00	84.0	.0465	.8102	19.15.7	C	6 12 ,,
3	24.021	19.27	82.9	41.97	83.8	.0429	.8099	19.16.1	C	7 12 ,,
4	24.295	19.23	82.8	42·03	83.5	.0422	.8105	19.16.5	C	8 12 ,,
5	23.677	19.26	82.5	42.09	83.0	.0427	.8112	19.16.6	R	9 12 ,,
6	24.159	19.09	82.0	42.18	82.7	.0399	.8122	19·17.4	R	10 12 ,,
7	24.226	19.26	82.0	42.23	82.7	.0427	.8127	19.17.2	R	11 12 ,,
8	24.432	19.21	82.0	42.22	82.7	.0419	.8126	19.17.3	R	Midnight.
9	24.707	19.36	82.0	42.22	82.5	.0443	.8126	19.17.1	B	1 12 a. m.
10	24.639	19.40	82.0	42.26	82.5	.0450	.8131	19·17.1	B	2 12 ,,
11	24.295	19.59	81.7	42.26	82.5	.0481	.8131	19.16.8	B	3 12 ,,
12	24.432	19.66	81.6	42.24	82.6	.0492	.8128	19.16.5	B	4 12 ,,
13	25.943	19.56	81.2	42.23	82.5	.0476	.8127	19.16.7	C	5 12 ,,
14	27.521	19.13	81·0	42.26	82.5	.0405	.8131	19.17.7	C	6 12 ,,
15	27.384	18.97	81.6	42.24	82.2	.0379	.8128	19.18.0	C	7 12 ,,
16	26.698	19.37	82.0	42.21	82.4	.0445	·8125	19.16.9	C	8 12 ,,
17	25.051	19.26	82.3	42.19	82·4	.0427	.8123	19.17.1	R	9 12 ,,
18	22.444	19.59	83.0	43.19	82.9	.0481	.8123	19·16.5	R	10 12 ,,
19	21.619	19.70	82.5	42.08	82·5	.0499	.8111	19.15.7	R	11 12 ,,
20	21.208	20.03	82.1	42.06	82.0	.0553	.8109	19.14.9	R	Noon.
21	21.758	20.03	81.8	42.09	81.6	.0553	.8112	19.15.0	B	1 12 p. m.
22	22.444	20.12	82.6	42.14	82.7	.0567	.8117	19.15.1	B	2 12 ,,
23	23.404	19.98	83.0	42.11	83.1	.0544	·8114	19.15.3	B	3 12 ,,
SEPT. 11TH—Noon.	23.884	19.72	82.5	42.11	83.0	.0502	.8114	19·15.8	B	4 12 ,,
1	23.746	19·60	82.2	42·19	82.9	.0482	.8123	19.16.5	C	5 12 ,,
2	23.609	19·48	81.8	42.13	82.8	.0463	.8116	19.16.4	C	6 12 ,,
3	23.540	19.42	81.8	42.13	82.6	.0453	.8116	19.16.5	C	7 12 ,,
4	23.746	19.36	81.7	42.18	82.6	.0443	.8122	19.16.9	C	8 12 ,,
5	23.816	19·29	81.6	42·19	82.2	.0432	.8123	19.17.1	R	9 12 ,,
6	23.677	19·30	81.5	42.21	82.0	.0433	.8125	19·17.2	R	10 12 ,,
7	24.159	19.30	81.5	42.24	82.0	.0433	.8128	19.17.3	R	11 12 ,,
8	24.502	19.28	81·4	42.24	82.0	.0430	·8128	19.17.3	R	Midnight.
9	24.502	19.28	81.4	42.22	82.3	.0430	.8126	19.17.2	B	1 12 a. m.
10	24.639	19.43	81.4	42·25	82.3	·0455	.8129	19.16.9	B	2 12 ,,
11	24.776	19.35	81.3	42.22	82.3	.0441	.8126	19.17.1	B	3 12 ,,

On the 10th, at about 20h. 30m., Dip as obtained by Observation was 19°19'7.

DAILY OBSERVATIONS, FROM 11TH TO 13TH SEPTEMBER 1860.

Date. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In Eng'sh Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1860.
h.										h. m.
Sept. 11th—12	24'776	19.38	81°2	42.22	82°1	8.0446	2.8126	19°16'9	B	4 12 a. m.
13	25.120	19.37	81.1	42.22	82.0	.0445	.8126	19.16.9	C	5 12 "
14	25.669	19.43	81.0	42.19	81.8	.0455	.8123	19.16.7	C	6 12 "
15	25.943	19.50	81.4	42.23	81.8	.0466	.8127	19.16.8	C	7 12 "
16	24.846	19.68	81.8	42.22	82.2	.0495	.8126	19.16.3	C	8 12 "
17	23.267	20.07	82.6	42.18	82.5	.0560	.8122	19.15.3	R	9 12 "
18	22.991	20.29	83.3	42.14	83.0	.0596	.8117	19.14.7	R	10 12 "
19	23.130	20.46	83.5	42.09	83.1	.0624	.8112	19.14.1	R	11 12 "
20	22.305	20.55	84.0	42.22	84.0	.0638	.8126	19.14.5	R	Noon.
21	22.854	20.54	84.5	42.28	84.4	.0637	.8133	19.14.8	B	1 12 p. m.
22	24.021	20.37	84.6	42.29	84.8	.0609	.8134	19.15.2	B	2 12 "
23	24.846	20.17	84.9	42.26	85.4	.0576	.8131	19.15.5	B	3 12 "
Sept. 12th—Noon.	24.846	20.04	84.7	42.15	85.5	.0555	.8119	19.15.2	B	4 12 "
1	24.707	19.78	84.3	42.12	85.5	.0512	.8115	19.15.8	C	5 12 "
2	24.021	19.67	83.6	42.05	85.0	.0494	.8108	19.15.7	C	6 12 "
3	23.953	19.46	83.1	42.04	84.6	.0460	.8106	19.16.0	C	7 12 "
4	23.677	19.44	83.0	42.07	84.1	.0457	.8110	19.16.2	C	8 12 "
5	23.816	19.47	82.9	42.04	84.0	.9462	.8106	19.16.0	R	9 12 "
6	24.090	19.38	82.5	42.02	83.4	.0446	.8104	19.16.0	R	10 12 "
7	24.226	19.48	82.4	42.18	83.0	.0463	.8122	19.16.6	R	11 12 "
8	24.363	19.47	82.2	42.19	83.0	.0462	.8123	19.16.7	R	Midnight.
9	24.432	19.53	82.1	42.19	83.0	.0471	.8123	19.16.6	B	1 12 a. m.
10	24.639	19.54	82.1	42.19	83.0	.0473	.8123	19.16.6	B	2 12 "
11	24.639	19.52	82.0	42.20	82.7	.0469	.8124	19.16.6	B	3 12 "
12	24.707	19.46	81.7	42.20	82.7	.0460	.8124	19.16.7	B	4 12 "
13	25.051	19.41	81.7	42.16	82.7	.0452	.8120	19.16.7	C	5 12 "
14	26.012	19.35	81.5	42.22	82.5	.0441	.8126	19.17.1	C	6 12 "
15	26.561	19.36	81.7	42.28	82.5	.0443	.8133	19.17.4	C	7 12 "
16	26.080	19.55	82.2	42.25	82.7	.0474	.8130	19.16.9	C	8 12 "
17	24.707	19.89	83.0	42.28	83.0	.0530	.8133	19.16.2	R	9 12 "
18	22.444	20.20	83.8	42.25	83.4	.0581	.8130	19.15.5	R	10 12 "
19	21.482	20.46	84.3	42.27	84.0	.0624	.8132	19.14.9	R	11 12 "
20	21.276	20.59	84.8	42.25	84.1	.0645	.8130	19.14.5	R	Noon.
21	21.826	20.47	84.8	42.25	84.9	.0626	.8130	19.14.8	B	1 12 p. m.
22	22.581	20.33	84.7	42.25	84.9	.0602	.8130	19.15.2	B	2 12 "
23	23.540	20.07	84.6	42.27	85.0	.0560	.8132	19.15.7	B	3 12 "
Sept. 13th—Noon.	24.432	19.90	84.8	42.22	85.2	.0531	.8126	19.15.9	B	4 12 "
1	24.707	19.76	84.1	42.20	85.0	.0509	.8124	19.16.1	C	5 12 "
2	24.021	19.73	83.5	42.14	84.5	.0504	.8117	19.16.0	C	6 12 "
3	24.021	19.49	83.0	42.12	84.0	.0465	.8115	19.16.3	C	7 12 "
4	24.090	19.46	83.0	42.14	83.9	.0460	.8117	19.16.4	C	8 12 "
5	24.159	19.49	82.9	42.11	83.5	.0465	.8114	19.16.2	R	9 12 "
6	24.159	19.44	82.7	42.15	83.3	.0457	.8119	19.16.5	R	10 12 "
7	24.159	19.35	82.5	42.19	83.0	.0441	.8123	19.17.0	R	11 12 "
8	24.846	19.51	82.0	42.19	83.0	.0468	.8123	19.16.6	R	Midnight.
9	24.707	19.45	81.9	42.19	83.0	.0458	.8123	19.16.7	B	1 12 a. m.
10	24.570	19.49	81.9	42.19	82.9	.0465	.8123	19.16.6	B	2 12 "
11	24.639	19.56	81.7	42.20	82.7	.0476	.8124	19.16.5	B	3 12 "
12	24.363	19.60	81.6	42.23	82.6	.0482	.8127	19.16.7	B	4 12 "
13	24.707	19.65	81.6	42.22	82.5	.0490	.8126	19.16.4	C	5 12 "
14	25.669	19.62	81.6	42.20	82.6	.0485	.8124	19.16.3	C	6 12 "
15	26.080	19.70	81.7	42.20	82.6	.0499	.8124	19.16.2	C	7 12 "
16	25.806	19.95	82.0	42.20	82.7	.0539	.8124	19.15.7	C	8 12 "
17	24.432	20.23	82.4	42.20	82.5	.0586	.8124	19.15.0	R	9 12 "
18	22.444	20.59	83.0	42.24	83.0	.0645	.8128	19.14.4	R	10 12 "
19	21.416	20.68	83.3	42.29	83.5	.0659	.8135	19.14.6	R	11 12 "
20	20.659	20.91	84.0	42.27	83.9	.0697	.8132	19.13.9	R	Noon.
21	21.002	19.80	84.4	42.28	84.3	.0679	.8133	19.14.3	B	1 12 p. m.
22	21.482	20.66	84.6	42.32	84.6	.0656	.8137	19.14.6	B	2 12 "
23	23.404	20.37	84.1	42.30	84.5	.0609	.8135	19.15.3	B	3 12 "

On the 13th, at about 19h. 45m., Dip as obtained by Observation was 19°08'1.

DAILY OBSERVATIONS, FROM 14TH TO 17TH SEPTEMBER 1860.

Date. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1860.
h.										h. m.
Sept. 14th-Noon.	24·707	20.17	83·8	42.25	84·4	8.0576	2.8130	19°15·5	B	4 12 p. m.
1	24.639	19.97	83.2	42.20	84.0	·0543	.8124	19.15.7	C	5 12 ,,
2	24.159	19.89	83.0	42.16	83.8	.0530	.8120	19.15.7	C	6 12 ,,
3	24.021	19.70	82.8	42.13	83.8	.0499	.8116	19.15.9	C	7 12 ,,
4	24.090	19.58	82.5	42.13	83·5	.0479	.8116	19.16.2	C	8 12 ,,
5	24.021	19.57	82.5	42.09	83.0	.0478	.8112	19.16.0	R	9 12 ,,
6	23.816	19.57	82.4	42.13	83.0	.0478	.8116	19.16.2	R	10 12 ,,
7	24.226	19.55	82.2	42.14	83.0	·0474	.8117	19·16.4	R	11 12 ,,
8	24.502	19.52	82.2	42.14	83.0	.0469	.8117	19.16.4	R	Midnight.
9	24.502	19.61	82·1	42.14	83·0	.0484	.8117	19.16.3	B	1 12 a. m.
10	24.502	19.79	82.0	42.14	82.9	.0514	.8117	19.15.9	B	2 12 ,,
11	24.226	19.80	82.0	42.17	82.9	.0515	.8121	19.15.8	B	3 12 ,,
12	24.159	19.81	82·1	42.17	82·9	.0517	.8121	19.15.8	B	4 12 ,,
13	24.363	19.76	82.0	42.13	82.8	.0507	.8116	19.15.8	C	5 12 ,,
14	25.669	19.79	81.9	42.18	82.8	·0514	.8122	19.16.0	C	6 12 ,,
15	26.629	19·84	82.0	42·16	82·6	.0522	.8120	19.15.8	C	7 12 ,,
16	25.895	20.03	82.6	42.21	83.0	·0553	.8125	19.15.6	C	8 12 ,,
17	23.953	20.21	83.2	42.19	83.0	.0583	.8123	19.15·2	R	9 12 ,,
18	21.345	20.58	83.9	42.22	83.9	.0643	.8126	19.14·5	R	10 12 ,,
19	20.042	20.66	84.6	42.18	84·3	.0656	.8122	19.14.0	R	11 12 ,,
20	19.699	20.82	85.4	42.20	85.0	·0682	.8124	19.13.9	R	Noon.
21	21.071	20.54	85.2	42.21	85·1	.0637	.8125	19.14·5	B	1 12 p. m.
22	22.444	20.34	85.5	42.22	85.6	.0604	.8126	19.15.0	B	2 12 ,,
23	24.090	20.05	85.6	42.20	86.1	.0556	.8124	19.15.4	B	3 12 ,,
Sept. 16th-Noon.	26.835	19.77	85.1	42.33	86.0	.0511	.8138	19.16.7	C	4 12 ,,
1	26.286	19·53	84.5	42.25	85·8	.0471	.8130	19.16.9	C	5 12 ,,
2	26·080	19.24	83.8	42.17	85.5	.0424	·8121	19.17.1	C	6 12 ,,
3	26.080	19.05	83.4	42.10	85.0	.0372	·8113	19.17.2	C	7 12 ,,
4	26.286	18.97	83.1	42.15	84.9	.0379	.8119	19.17.6	C	8 12 ,,
5	25.875	18.88	83.0	42.17	84.0	.0364	.8121	19.17.9	R	9 12 ,,
6	25.326	18.66	83.0	42.12	83.7	.0328	.8115	19.18.1	R	10 12 ,,
7	25.463	18.50	82.8	42.21	83.6	.0302	.8125	19.18.9	R	11 12 ,,
8	25.091	18.49	82.6	42.16	83.5	.0301	.8120	19.18.7	R	Midnight.
9	24.502	18.76	82.5	42.16	83.5	.0345	·8120	19.18.0	B	1 12 a. m.
10	24.776	19.32	82.5	42.16	83.5	.0436	.8120	19.16·9	B	2 12 ,,
11	24.846	19.36	82.3	42.15	83.4	.0443	.8119	19.16.8	B	3 12 ,,
12	24.639	18·99	82.1	42.17	83.1	.0382	.8121	19.17.7	B	4 12 ,,
13	24.776	19.18	82.0	42.21	83.0	.0413	·8125	19.17.5	C	5 12 ,,
14	26.835	19.04	81.9	42.21	83.0	.0391	.8125	19·17.7	C	6 12 ,,
15	27.864	19.13	82.1	42.19	82.9	.0405	.8123	19.17·4	C	7 12 ,,
16	26.698	19.44	82.9	42.20	83.4	.0457	.8124	19.16.7	C	8 12 ,,
17	24.639	19.95	83.6	42.21	83.5	.0539	.8125	19.15.8	R	9 12 ,,
18	23.130	20.23	84.5	42·22	84.1	.0586	.8126	19.15.1	R	10 12 ,,
19	22.444	20.12	85.0	42.18	84.8	.0567	.8121	19.15.2	R	11 12 ,,
20	21.758	20.20	85.7	42.22	85·3	.0581	.8126	19.15.3	R	Noon.
21	22.168	20.11	86.3	42.23	86.0	.0566	.8127	19.15·5	B	1 12 p. m.
22	22.581	19.97	86.5	42.28	86.5	.0543	·8133	19.16.1	B	2 12 ,,
23	22.816	19.74	86·3	42.22	86.7	.0506	.8126	19·16.2	B	3 12 ,,
Sept. 17th-Noon.	24.502	19.61	86.1	42.23	87.0	.0484	.8127	19.16.7	B	4 12 ,,
1	23.816	19.56	85.5	42.25	86.9	.0476	·8130	19.16.8	C	5 12 ,,
2	23.267	19.52	84.3	42.23	86.3	.0469	.8127	19·16·8	C	6 12 ,,
3	23.953	19.22	84.0	42.17	85·6	.0420	.8121	19.17.1	C	7 12 ,,
4	24.226	19.22	83.7	42.17	85.1	·0420	.8121	19.17·1	C	8 12 ,,
5	24.363	19.26	83.3	42.14	84.6	.0427	.8117	19.16.9	R	9 12 ,,
6	24.226	19.36	83.1	42.12	84.0	.0443	·8115	19.16.7	R	10 12 ,,
7	24.295	19.44	83.0	42·12	84.0	.0457	.8115	19.16.4	R	11 12 ,,
8	24.363	19.71	83.0	42.12	84.0	.0501	.8115	19.15·9	R	Midnight.
9	24.707	19.31	83.0	42.14	84.0	.0435	.8117	19.16.8	B	1 12 a. m.
10	24.914	19.10	82.5	42.13	83.6	.0400	.8116	19.17.2	B	2 12 ,,
11	25.189	19.39	82.5	42.13	83.5	.0448	.8116	19.16.5	B	3 12 ,,

On the 14th, at about 19h. 30m., Deflection Observations were taken.

DAILY OBSERVATIONS, FROM 17TH TO 19TH SEPTEMBER 1860.

DATE. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1860.
h.										h. m.
SEPT. 17TH—12	24·639	19.78	82·4	42.12	83·4	8.0512	2.8115	19°15′8	B	4 12 a. m.
13	25.189	19.39	82.4	42.13	83.3	.0448	.8116	19.16.5	C	5 12 „
14	25.394	19.41	82·2	42.14	83.2	.0452	.8117	19.16.6	C	6 12 „
15	27.041	19.23	82.4	42.17	83.1	.0422	.8122	19.17.1	C	7 12 „
16	27.315	19.54	82.7	42.15	83.2	·0478	.8119	19.16.4	C	8 12 „
17	25·532	20.00	83.4	42.15	83.4	.0548	.8119	19.15.3	R	9 12 „
18	24.159	20.52	84.0	42.20	84.0	.0633	.8124	19.14.5	R	10 12 „
19	23.130	20.85	85.3	42.20	85.0	.0687	.8124	19.13.7	R	11 12 „
20	22.237	20.80	86.1	42.17	85.8	.0679	.8121	19.13.8	R	Noon.
21	22.581	20.23	85.3	42.19	85.5	.0586	.8123	19.15.0	B	1 12 p. m.
22	23.198	20.14	85.8	42.22	86.0	.0571	.8126	19.15.4	B	2 12 „
23	24.363	19.99	86.1	42.20	86.5	.0546	.8124	19.15.5	B	3 12 „
SEPT. 18TH-Noon.	25.326	19.83	85.5	42.18	86.0	.0520	.8122	19.15.8	B	4 12 „
1	25.051	19.83	85.6	42.21	86.2	.0520	.8125	19.16·0	C	5 12 „
2	23.677	19.74	84.9	42.16	85.7	.0506	.8120	19.16.0	C	6 12 „
3	23.884	19.60	84.3	42.16	85.3	.0482	.8120	19.16.4	C	7 12 „
4	24.226	19.47	83·7	42.15	85.0	.0462	.8119	19.16.5	C	8 12 „
5	24.159	19.41	83.1	42.12	84·0	.0452	.8115	19.16.5	R	9 12 „
6	24.226	19.26	83.1	42.12	84.0	.0427	.8115	19.16.8	R	10 12 „
7	24.502	19.27	82.9	42.12	84.0	.0429	·8115	19.16.8	R	11 12 „
8	24.846	19.25	82.8	42·11	83.5	.0425	.8114	19.16.7	R	Midnight.
9	25.120	19.40	82.5	42.11	83.5	.0450	.8114	19·16.4	B	1 12 a. m.
10	25.051	19.40	82.5	42.12	83.5	.0450	.8115	19.16.5	B	2 12 „
11	24.776	19.51	82.5	42.12	83.5	.0468	.8115	19.16.3	B	3 12 „
12	24.776	19.51	82.5	42.12	83.5	.0468	.8115	19.16.3	B	4 12 „
13	24.846	19.53	82.3	42.08	83.3	.0471	.8111	19.16.1	C	5 12 „
14	26.218	19.48	82.1	42.10	83.2	.0463	.8113	19.16.3	C	6 12 „
15	27.521	19.45	82.4	42.09	83.1	.0458	.8112	19.16.2	C	7 12 „
16	27.933	19.87	83.0	42.08	83.3	.0527	.8111	19.15.3	C	8 12 „
17	26.423	20.33	83.6	42.12	83.9	.0602	.8115	19.14.6	R	9 12 „
18	24.707	20.62	84.4	42.11	84.0	·0649	.8114	19.13.8	R	10 12 „
19	22.923	20.70	85.0	42.10	85.0	.0663	.8113	19·13.7	R	11 12 „
20	21.139	20.89	85.5	42.11	85.4	.0694	.8114	19.13.3	R	Noon.
21	21.071	20.85	86.1	42.14	86.0	.0687	.8117	19.13.4	B	1 12 p. m.
22	22.305	20.59	86.5	42.15	86.4	.0645	.8119	19.14.0	B	2 12 „
23	23.816	20.05	86.6	42.13	87.0	.0556	.8116	19.15.1	B	3 12 „
SEPT. 19TH-Noon.	25.051	19.78	86.6	42.11	87.1	.0544	.8114	19.15.3	B	4 12 „
1	24.639	19.89	85.9	42.06	87.0	.0530	.8109	19.15.2	C	5 12 „
2	23.884	19·79	85.1	42.03	86.5	.0514	.8105	19·15.4	C	6 12 „
3	23·746	19.58	84.7	42.00	86.1	.0479	.8102	19·15.6	C	7 12 „
4	24.021	19.44	84.1	42.01	85.8	.0457	.8103	19.15.9	C	8 12 „
5	24.090	19.40	83.6	41.94	84.8	.0450	.8095	19.15.7	R	9 12 „
6	24.295	19.46	83.4	41.98	84.5	·0460	.8100	19.15.8	R	10 12 „
7	24.363	19.53	83.0	41.95	84·0	.0471	.8097	19.15.6	R	11 12 „
8	24·639	19.67	83.0	41.97	84.0	.0494	.8099	19.15.3	R	Midnight.
9	24.914	19.57	83.0	41.92	84.0	.0478	.8093	19.15·3	B	1 12 a. m.
10	24.570	20.05	83.0	41.93	83.8	.0556	.8094	19.14.2	B	2 12 „
11	25.394	19.59	83.0	41.92	83.8	.0481	.8093	19.15.3	B	3 12 „
12	24.914	19.50	83.0	41.93	83.7	.0466	.8094	19.15.4	B	4 12 „
13	25.051	19.49	82.9	41.89	83.0	.0465	.8090	19.15.3	C	5 12 „
14	25.463	19.50	82.5	41.89	83.0	.0466	.8090	19.15.3	C	6 12 „
15	26.214	19.30	82.6	41.91	83.3	·0433	·8092	19.15.8	C	7 12 „
16	26.149	19.55	82.9	41·93	83.5	.0474	.8094	19.15.4	C	8 12 „
17	25·051	20·06	83.8	41.95	83.9	·0556	.8097	19.14.4	R	9 12 „
18	23.746	20.35	84.6	41.96	84.5	.0605	.8098	19.13.8	R	10 12 „
19	22.512	20.35	85.0	41.95	84.9	·0605	.8097	19.13.8	R	11 12 „
20	21.276	20.34	85.5	41.95	85.0	.0604	.8097	19.13·9	R	Noon.
21	21.826	20.34	86.2	41.97	85.8	.0604	.8099	19.13.9	B	1 12 p. m.
22	23.130	20·18	86.6	41.99	86.4	.0577	.8101	19.14.5	B	2 12 „
23	23.953	19.76	86.8	41.91	87.0	.0509	.8092	19.14.8	B	3 12 „

DAILY OBSERVATIONS, FROM 20TH TO 23RD SEPTEMBER 1860.

Date. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magnetometer. — Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. — Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. — In English Units.	Absolute Vertical Force. — In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1860.
h.										h. m.
Sept. 20th-Noon.	24·570	19.76	86°6	42.02	87°3	8.0509	2.8104	19°15′3	C	4 12 p. m.
1	24.846	19.24	86.2	41.96	87.4	·0424	.8098	19.16.2	R	5 12 „
2	24.226	19·32	85.5	41.90	86.5	.0436	.8091	19.15.7	R	6 12 „
3	24.846	19.07	85.1	41.90	86.1	.0396	.8091	19.16.2	B	7 12 „
4	24.776	18.77	84.6	41.89	85·6	.0347	.8090	19.16.8	B	8 12 „
5	24.295	18.94	84.4	41.87	85.5	.0374	.8088	19.16·5	C	9 12 „
6	24·639	18.91	84.1	41·88	85.1	.0369	.8089	19.16.5	C	10 12 „
7	24.502	19.35	83.9	41.84	84.8	.0441	·8084	19.15.4	R	11 12 „
8	24.502	19·35	83·6	41.86	84.5	.0441	.8087	19.15.6	R	Midnight.
9	24.914	19.29	83.5	41.86	84.3	.0432	.8087	19.15.7	B	1 12 a. m.
10	24·776	19.38	83.3	41.84	84.1	.0446	.8084	19.15.2	B	2 12 „
11	24.776	19.40	83.1	41.87	84.0	.0450	.8088	19.15.4	B	3 12 „
12	24.983	19.32	82·8	41.83	83.6	.0436	.8083	19.15.0	B	4 12 „
13	25.051	19.47	82.9	41.86	83.5	.0462	.8087	19.15.3	C	5 12 „
14	26.218	19.41	82·7	41.86	83·2	·0452	·8087	19·15.4	C	6 12 „
15	26.766	19.54	82.9	41.86	83.1	.0473	.8087	19.15.2	C	7 12 „
16	27·041	19.96	83·2	41·86	83.5	·0541	.8087	19.14.3	C	8 12 „
17	25.875	20.33	83.8	41.87	83.7	.0602	.8088	19.13.5	R	9 12 „
18	23.816	20.67	84.4	41.88	84.0	.0658	.8089	19.12.7	R	10 12 „
19	21.895	20.77	85.0	41.89	84.5	.0675	.8090	19.12.6	R	11 12 „
20	20.865	20.84	85.8	41.90	85.0	.0686	.8091	19.12.4	R	Noon.
21	21.698	20.69	86.5	41.95	86.1	.0661	.8097	19.13.4	B	1 12 p. m.
22	22.718	20 22	86.9	42.00	86.7	.0584	.8102	19.14.3	B	2 12 „
23	23.816	19.94	86.3	41.96	86.7	.0538	.8098	19.14.7	B	3 12 „
Sept. 21st-Noon.	24.776	19.93	86.0	41.97	86.9	.0536	.8099	19·14.7	B	4 12 „
1	24.502	19.90	85.1	41.86	86.6	.0531	.8087	19.14.8	C	5 12 „
2	24.363	19.76	84·5	41.90	86.1	.0509	.8091	19.14.8	C	6 12 „
3	24.983	19.64	84.1	41.93	85.6	.0489	.8094	19.15.1	C	7 12 „
4	24.502	19.53	83.9	41.91	85.2	.0471	.8092	19.15.3	C	8 12 „
5	24.502	19.52	83.7	41.94	84.8	.0469	.8095	19.15.5	R	9 12 „
6	24.159	19.63	83.6	41·94	84.5	.0487	.8095	19.15.2	R	10 12 „
7	24.159	19.71	83.5	41.92	84.0	.0501	.8093	19·15.0	R	11 12 „
8	24.295	19.68	83.2	41.92	84.0	.0495	.8093	19.15.0	R	Midnight.
9	24.295	19.60	83.2	41.90	84.0	.0482	.8091	19.15.2	B	1 12 a. m.
10	24.295	19.58	83·2	41.94	84.0	·0479	.8095	19.15.4	B	2 12 „
11	24.432	19.58	83.2	41·94	83.9	·0479	.8095	19.15.4	B	3 12 „
12	24.363	19.56	83.0	41.93	83.6	.0476	.8094	19.15.3	B	4 12 „
13	24.432	19.57	82.6	41.92	83.4	.0478	.8093	19.15.3	C	5 12 „
14	25.463	19·41	82.3	41·94	83.2	.0452	.8095	19.15.7	C	6 12 „
15	26.355	19.40	82.5	41.94	83.0	.0450	.8095	19.15.7	C	7 12 „
16	27.178	19.79	83.0	41.96	83.4	.0514	·8098	19.15.1	C	8 12 „
17	26.561	20.22	83.6	41.95	83.4	.0583	.8097	19.14.2	R	9 12 „
18	25·120	20.66	84.5	41.97	84.0	.0656	.8099	19.13.1	R	10 12 „
19	22·374	20.95	85.0	41.94	84.7	.0703	.8095	19·12.5	R	11 12 „
20	20·728	21.06	86.0	42.03	85.5	.0722	.8105	19.12.6	R	Noon.
21	21.002	20.87	86·5	42.05	86.2	.0691	.8108	19.13.1	B	1 12 p. m.
22	22.444	20.56	86.7	42.06	86.9	.0640	.8109	19.13.8	B	2 12 „
23	23.198	20.33	86.8	42.06	87.3	.0602	.8109	19.14.3	B	3 12 „
Sept. 23rd-Noon.	24.226	20.26	87.0	42.04	88·0	.0591	.8106	19.14.3	C	4 12 „
1	24·226	20.10	85.9	41.98	87.6	.0564	.8100	19.14.5	C	5 12 „
2	24.090	20.08	85.0	41.96	87.0	.0561	.8099	19.14.4	C	6 12 „
3	24.159	19.88	84.6	41.91	86.4	·0528	.8092	19.14.5	C	7 12 „
4	24.159	19.82	84.3	41.90	86.0	.0518	.8091	19.14·6	C	8 12 „
5	24.159	19.82	84.0	41.85	85.0	.0518	.8086	19.14.4	R	9 12 „
6	24.090	19.88	83.8	41.89	85·0	.0528	.8090	19.14.5	R	10 12 „
7	24.159	19.92	83.7	41.87	85·0	.0534	.8099	19.14.4	R	11 12 „
8	24.502	19.94	83.5	41.84	84.8	.0536	.8084	19.14.1	R	Midnight.
9	24.363	19.92	83.2	41.79	84.5	.0534	.8079	19.14.0	B	1 12 a. m.
10	24.295	19.91	83.0	41.86	84.4	.0533	.8087	19.14.4	B	2 12 „
11	24.226	19.92	83.0	41·85	84.2	.0534	.8086	19.14.3	B	3 12 „

On the 20th, at about 19h. 45m., Dip as obtained by Observation was 19°05′0.
On the 21st, at about 19h. 45m., Deflection Observations were taken.

DAILY OBSERVATIONS, FROM 23RD TO 25TH SEPTEMBER 1860.

DATE. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical ForceMagneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. — In English Units.	Absolute Vertical Force. — In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1860.
h.										h. m.
SEPT. 23RD—12	24·021	19.86	82·8	41.85	83·8	8.0525	2.8086	19°14′3	B	4 12 a. m.
13	24.090	19.75	82.5	41.81	83.8	.0507	.8081	19.14.4	C	5 12 „
14	25.257	19.62	82.1	41.82	83.4	.0485	·8082	19.14.6	C	6 12 „
15	27.452	19.61	82.0	41.84	83·4	.0484	.8084	19.14.9	C	7 12 „
16	26.766	20.12	82.7	41.86	83.6	.0567	.8087	19.13.9	C	8 12 „
17	24.295	20.74	83.3	41.83	84.0	.0670	.8083	19.12.4	R	9 12 „
18	22.101	21.07	84.0	41.84	84.5	.0724	.8084	19.11.7	R	10 12 „
19	20.728	21.25	85.0	41.85	85.0	.0753	.8086	19.11.4	R	11 12 „
20	19.630	21.04	85.5	41.87	85·5	·0719	·8088	19.11.9	R	Noon.
21	20.385	20.84	86.3	41.94	86.3	.0686	.8095	19.12.6	B	1 12 p. m.
22	22.274	20.59	86.6	41.95	86.8	.0645	.8097	19.13.2	B	2 12 „
23	24.021	20.39	87.0	41.97	87.4	.0612	.8099	19.13.8	B	3 12 „
SEPT.24TH-Noon.	24·846	20.18	87.1	41·88	87·8	.0577	.8089	19.13.8	B	4 12 „
1	24.432	20.30	86.7	41.89	87.8	.0597	.8090	19.13.6	C	5 12 „
2	23.884	20·13	85.7	41.89	87.0	.0569	.8090	19.14.0	C	6 12 „
3	24.226	19.80	85.0	41.87	86.6	.0515	·8088	19.14.5	C	7 12 „
4	24.159	19.71	84.5	41.88	86.1	.0501	.8089	19.14.8	C	8 12 „
5	24.846	19.72	84.0	41.87	85.8	.0502	.8088	19.14.8	R	9 12 „
6	24.159	19.87	83.7	41·85	85·0	.0527	.8086	19.14.3	R	10 12 „
7	24.295	19.90	83.5	41.84	84.6	.0531	.8084	19.14.5	R	11 12 „
8	24.502	19.84	83.3	41.83	84.4	.0522	.8083	19.14.3	R	Midnight.
9	24.295	20.00	83.3	41.85	84.3	.0588	.8084	19.14.0	B	1 12 a. m.
10	24.502	19.95	83.1	41.81	84.2	.0539	.8081	19.14.0	B	2 12 „
11	24.295	19·99	83·1	41.84	84·1	.0546	.8084	19·13.9	B	3 12 „
12	24.295	19·96	83.1	41.84	84.0	.0541	.8084	19.14.1	B	4 12 „
13	24.707	19.90	82.8	41.81	83.8	.0531	.8081	19.14.1	C	5 12 „
14	26.149	19.88	82.6	41.86	83·6	·0528	.8087	19.14.4	C	6 12 „
15	26·972	19.94	83.0	41.86	83.5	.0538	.8087	19.14.3	C	7 12 „
16	27.384	20.28	80.5	41.87	84.0	.0594	.8088	19.13.6	C	8 12 „
17	26.218	20.92	84.0	41.85	84.2	.0698	.8086	19.12.1	R	9 12 „
18	22.512	21.32	85.0	41.85	85.0	.0764	.8086	19.11.3	R	10 12 „
19	20.247	21.55	85.3	41.86	85·3	.0802	.8087	19.10.9	R	11 12 „
20	19.356	21.89	85.5	41.87	85.6	.0858	.8088	19.10.1	R	Noon.
21	20.865	21.11	85.9	41·89	86.2	.0730	·8090	19.11.9	B	1 12 p. m.
22	23·198	20.90	86.2	41.90	86.6	.0695	.8091	19.12.3	B	2 12 „
23	24.846	20.51	86.2	41.89	87.1	.0632	.8090	19.13.2	B	3 12 „
SEPT.25TH-Noon.	25.326	20.31	85.9	41.90	87.2	.0599	.8091	19.13.6	B	4 12 „
1	25.189	20.09	85·1	41.85	07.1	·0563	.8086	19.13.9	C	5 12 „
2	24.159	19.95	84.5	41.77	86.4	.0539	.8077	19.13.9	C	6 12 „
3	24.363	19.82	84.3	41·74	86.0	·0518	.8073	19.13.9	C	7 12 „
4	24.502	19.82	84.0	41.73	85.9	.0518	.8072	19·13.8	C	8 12 „
5	24·295	19.77	84.0	41.75	85.0	.0511	.8075	19.14.2	R	9 12 „
6	24.159	20.35	83.9	41.75	85.0	.0605	.8075	19.12.7	R	10 12 „
7	24.570	19.83	83.6	41.75	84.9	.0520	.8075	19.14.0	R	11 12 „
8	24.570	20.21	83·4	41·74	84.5	.0583	.8073	19·13.2	R	Midnight.
9	24.502	20.24	83.4	41.72	84.5	.0588	.8071	19.12.9	B	1 12 a. m.
10	24·570	20.03	83.4	41.72	84.5	.0553	.8071	19.13.4	B	2 12 „
11	24.363	20·16	83.4	41.73	84.4	.0574	.8072	19.13.2	B	3 12 „
12	24.363	19.74	83.3	41.73	84.3	.0506	.8072	19.14.0	B	4 12 „
13	26.080	20.12	83.0	41.68	84·0	.0567	.8067	19.13.1	C	5 12 „
14	27.247	20·09	83.0	41.68	83.9	.0563	.8069	19.13.2	C	6 12 „
15	28.893	19.77	82.9	41.70	83·9	.0511	.8069	19.13.9	C	7 12 „
16	26.012	20.11	83.3	41.72	83.9	·0566	.8071	19.13.2	C	8 12 „
17	24.226	20.47	84.0	41.72	84.0	.0626	.8071	19.12.5	R	9 12 „
18	22.787	21.01	84.8	41.75	84.9	.0714	.8075	19.11.6	R	10 12 „
19	21.139	20.60	85.0	41.75	85.0	.0646	.8075	19.12.3	R	11 12 „
20	20.933	19.79	85.8	41·77	85.6	.0514	.8077	19.14.3	R	Noon.
21	21.551	19.86	86.5	41.83	86.4	.0525	.8083	19.14.2	B	1 12 p. m.
22	23.198	19.78	86.4	41.85	86.6	.0506	.8086	19.14.6	B	2 12 „
23	24.570	19.72	86.3	41.86	87.0	·0502	.8087	19.14.8	B	3 12 „

DAILY OBSERVATIONS, FROM 26TH TO 28TH SEPTEMBER 1860.

Date. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1860.
h.										h. m.
Sept. 26th-Noon.	24·846	19.63	85·7	41.86	86·6	8.0487	2.8087	19°14′9	B	4 12 p. m.
1	24.295	19.60	85.0	41.83	86.1	.0482	.8083	19.14.9	C	5 12 ,,
2	24.021	19.34	84.5	41.82	85.8	.0443	.8082	19.15.3	C	6 12 ,,
3	23.884	19.32	84.3	41.81	85.4	.0436	.8081	19.15.3	C	7 12 ,,
4	23.884	19·31	83.7	41.80	84.9	·0435	.8080	19.15.3	C	8 12 ,,
5	24.159	19.29	83.0	41.72	84.0	.0432	.8071	19.15.0	R	9 12 ,,
6	24.707	19.29	83.0	41.80	84.0	.0432	.8080	19·15.4	R	10 12 ,,
7	24.707	19.62	82.7	41.80	83.7	.0485	.8080	19.14.8	R	11 12 ,,
8	25.326	19.35	82.5	41.79	83.4	.0441	.8079	19.15.2	R	Midnight.
9	24.914	19·75	82.5	41.78	83.4	.0507	.8078	19.14·3	B	1 12 a. m.
10	25.943	19.45	82.5	41.81	83.5	.0458	.8081	19.15.0	B	2 12 ,,
11	26.080	19.36	82.3	41.79	83.5	.0443	.8079	19.15.2	B	3 12 ,,
12	25.875	19.68	82.4	41.78	83·4	.0495	.8078	19.14.4	B	4 12 ,,
13	25.875	19·53	82.4	41.80	83.4	.0471	·8080	19.14.9	C	5 12 ,,
14	27.109	19.47	82.3	41.80	83·4	.0462	.8080	19.15.0	C	6 12 ,,
15	27.452	19.25	82.5	41.80	83.4	.0425	.8080	19.15.4	C	7 12 ,,
16	26.698	19.99	83.0	41.79	83.4	.0546	.8079	19.13.6	C	8 12 ,,
17	24.914	20.52	83.8	41.81	83.8	.0633	.8081	19.12.8	R	9 12 ,,
18	24.021	20.73	84.5	41.82	84.1	.0668	.8082	19.12·3	R	10 12 ,,
19	22.168	20.90	85.0	41.84	84.6	.0695	.8084	19.12.0	R	11 12 ,,
20	21.071	20.79	85.5	41·85	85.0	.0694	.8086	19.12.2	R	Noon.
21	22.444	20.69	85.8	41.92	85.6	·0661	.8093	19.12.9	B	1 12 p. m.
22	23.609	20.42	86·2	41.93	86.2	.0617	.8094	19.13.4	B	2 12 ,,
23	24.846	20.17	86.2	41.92	86.8	.0576	.8093	19.14.0	B	3 12 ,,
Sept. 27th-Noon.	25.257	20.07	86.5	41.91	87.1	.0560	.8092	19.14.1	B	4 12 ,,
1	24.639	20.00	86.0	41.91	87.1	.0548	.8092	19.14.2	C	5 12 ,,
2	23.816	19.89	85.4	41.88	86.6	.0530	.8089	19.14.4	C	6 12 ,,
3	24.159	19.67	84.9	41.84	86.2	.0494	.8084	19.14.7	C	7 12 ,,
4	24.502	19.44	83.3	41.76	84.7	.0457	.8076	19.14.8	C	8 12 ,,
5	23.816	19.45	83.0	41.75	84.0	.0458	.8075	19.14.8	R	9 12 ,,
6	24.090	19.48	83.0	41.76	84.0	.0463	.8076	19.14.8	R	10 12 ,,
7	24.159	19.54	83.0	41.79	83·7	.0473	.8079	19.14·8	R	11 12 ,,
8	24.363	19.59	83.0	41.81	83.7	.0481	.8081	19.14.8	R	Midnight.
9	24.432	19.64	83.1	41.82	84.0	.0489	.8082	19.14·6	B	1 12 a. m.
10	24.363	19.74	83.1	41·82	84.0	.0506	.8082	19·14.4	B	2 12 ,,
11	24.226	19.80	83.1	41.80	84.0	.0515	.8080	19.14.2	B	3 12 ,,
12	24.226	19.82	83.1	41.80	83.9	.0518	.8080	19.14.2	B	4 12 ,,
13	24.639	19.87	83.0	41.82	83.9	.0527	·8082	19.14.1	C	5 12 ,,
14	25.600	19.87	83.0	41·81	83.8	.0527	.8081	19.14.1	C	6 12 ,,
15	26.904	20.16	83.1	41.85	83.8	.0574	.8086	19.13.8	C	7 12 ,,
16	26.904	20.68	83.8	41.87	84.0	.0659	.8088	19.12·7	C	8 12 ,,
17	26.149	21.50	84.7	41.88	84.5	.0794	.8089	19.11.0	R	9 12 ,,
18	24.159	21.68	85.1	41.89	85.0	.0823	.8090	19.10.7	R	10 12 ,,
19	22.374	21.69	86.0	41.91	85.6	.0825	.8092	19.10.6	R	11 12 ,,
20	22.101	21.56	86.7	41.95	86.0	·0804	.8097	19.11.3	R	Noon.
21	21.482	21.36	87.3	41.95	86.6	.0771	.8097	19.11.5	B	1 12 p. m.
22	22.718	20.83	87.3	41.98	87.2	.0684	.8100	19.13.0	B	2 12 ,,
23	24.090	20.58	87.2	42.01	87.7	.0643	.8103	19·13.6	B	3 12 ,,
Sept. 28th-Noon.	24.776	20.30	86.6	42.01	87.8	.0597	.8103	19.14.1	B	4 12 ,,
1	24.159	20.20	86.0	42.00	87·6	.0581	.8102	19.14.3	C	5 12 ,,
2	23.267	20·17	85.4	41.99	86.9	.0576	·8101	19·14.3	C	6 12 ,,
3	23.677	19.91	85.2	41.96	86.6	.0533	.8098	19.14.8	C	7 12 ,,
4	23.404	20.14	85.2	41.93	86·5	.0571	.8094	19.14.1	C	8 12 ,,
5	23.404	20.00	85.0	41.93	86.0	.0548	·8094	19.14.3	R	9 12 ,,
6	23.473	19.88	84.9	41.92	85.7	.0528	.8093	19.14.6	R	10 12 ,,
7	23.473	19.97	84.0	41.89	85.1	.0543	.8090	19.14.4	R	11 12 ,,
8	24.090	19·97	84.0	41·89	85.0	0543	.8090	19.14.4	R	Midnight.
9	24.090	20.00	84.1	41.89	85.0	.0548	.8090	19.14.2	B	1 12 a. m.
10	24.090	19.97	84.0	41.90	85.0	.0543	·8091	19.14.4	B	2 12 ,,
11	24·090	19.90	83.6	41.89	84.7	.0531	.8090	19.14.5	B	3 12 ,,

On the 27th, at about 19h. 15m., Dip as obtained by Observation was 19°01′2.

DAILY OBSERVATIONS, FROM 28TH SEPTEMBER TO 1ST OCTOBER 1860.

DATE. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1860.
h.										h. m.
SEPT. 28TH—12	24·021	19.93	83·5	41.92	84·6	8.0536	2.8093	19°14′5	B	4 12 a. m.
13	24.159	19.86	83.3	41.94	84.5	.0525	.8095	19.14.7	C	5 12 „
14	25.326	19.80	83.3	41.91	84.4	.0515	.8092	19.14.6	C	6 12 „
15	25.737	20.08	83.2	41.90	83.9	.0561	.8091	19.14.0	C	7 12 „
16	25.875	20.23	83.2	41.89	83.6	.0586	.8090	19.13.7	C	8 12 „
17	24.846	20.69	83.3	41.91	83.5	.0661	.8092	19.12.8	R	9 12 „
18	23.806	20.98	83.5	41.90	83.4	.0708	·8091	19.12.2	R	10 12 „
19	22.787	21.17	84.0	41.91	83.6	.0740	.8092	19.11.8	R	11 12 „
20	21.071	21.07	84.0	41.91	83.6	.0724	.8092	19.12.0	R	Noon.
21	20.659	20.93	84.0	41.96	83.6	.0700	.8098	19.12.6	B	1 12 p.m.
22	22.512	20.74	84.4	41.98	84.2	.0670	.8100	19.13.1	B	2 12 „
23	24.639	20.38	84·3	41.98	84.2	.0610	.8100	19.13.9	B	3 12 „
SEPT. 30TH—Noon.	24·707	20·47	87.0	42.14	87.9	.0626	.8117	19.14.3	B	4 12 „
1	23.816	20.30	86.6	42.11	87.6	·0597	.8114	19.14.5	B	5 12 „
2	23.267	20.31	85.9	42.06	87.0	.0599	.8109	19.14.3	B	6 12 „
3	23.953	20.03	85.2	42.00	86.6	·0553	.8102	19.14.5	B	7 12 „
4	24.090	20.02	85.1	42·03	86.3	.0551	.8105	19.14.8	B	8 12 „
5	23.876	20.06	84.8	42.03	86.1	.0558	·8105	19.14.7	C	9 12 „
6	23.953	20.13	84.7	42.03	85.9	.0569	.8105	19.14.6	C	10 12 „
7	24.226	20.04	84.4	42.02	85.7	·0555	.8104	19.14.6	C	11 12 „
8	24.226	19.98	84.2	42.02	85.5	.0544	.8104	19.14.9	C	Midnight.
9	24.502	19.96	84.2	42.00	85.0	.0541	.8102	19.14.8	R	1 12 a. m.
10	24.226	19.86	84.2	42.00	85.0	.0525	.8102	19.14.9	R	2 12 „
11	24.159	19·87	84.0	42.00	85.0	·0527	.8102	19.14.9	R	3 12 „
12	24.021	19.92	84.0	42.00	84.5	.0534	.8102	19·14.9	R	4 12 „
13	24.021	20.00	83.9	41.99	84.5	.0548	.8101	19.14.6	B	5 12 „
14	24.914	20.01	83·9	41.99	84.5	.0550	.8101	19.14.6	B	6 12 „
15	26.012	20.01	83.9	42.01	84.4	.0550	.8103	19.14.7	B	7 12 „
16	26.492	20.38	84.1	42·02	84.5	.0610	.8104	19.14.0	B	8 12 „
17	25.532	20.98	85.0	42.03	85.0	.0708	.8106	19.12.8	C	9 12 „
18	23.953	21.27	85.5	42.06	85.4	.0757	.8109	19.12.2	C	10 12 „
19	21.276	21.92	86.3	42.07	85.8	.0862	.8110	19.11.0	C	11 12 „
20	19.356	21.76	87.1	42.08	87.0	.0837	.8111	19.11.3	C	Noon.
21	19.630	21.50	87.6	42.12	87.4	.0794	.8115	19.12.1	R	1 12 p.m.
22	21.482	21.15	87.6	42.13	87.7	.0736	.8116	19.12.8	R	2 12 „
23	24.090	21.02	87.5	42.14	88.0	.0715	.8117	19.13.1	R	3 12 „
OCT. 1ST—Noon.	23.609	19.36	87.1	42.10	88.0	.0443	.8113	19.16.6	R	4 12 „
1	24.226	19.09	86.6	42.09	88.4	.0399	.8112	19.17.0	B	5 12 „
2	23.816	19.19	85.9	42.04	87.4	.0415	.8106	19.16.5	B	6 12 „
3	24.226	19.09	85.8	42.03	87.0	.0399	.8105	19.16.8	B	7 12 „
4	24.226	19·30	85·5	42.04	86.8	.0433	.8106	19.16.4	B	8 12 „
5	24.295	19·10	85.2	42.04	86.6	.0400	.8106	19.16.8	C	9 12 „
6	24.707	19.14	85.2	42.03	86.4	.0407	.8105	19.16.7	C	10 12 „
7	24.776	19.31	85.0	42.02	86.3	.0435	.8104	19.16.2	C	11 12 „
8	24.983	19.70	85.0	42.01	86.1	.0499	.8103	19.15.4	C	Midnight.
9	24.983	19.67	84.9	42.02	85.5	.0494	.8104	19.15.5	R	1 12 a. m.
10	25.600	19.44	84.5	42.04	85.5	.0457	·8106	19.16.0	R	2 12 „
11	25.875	19.39	84.4	42.00	85.0	.0448	.8102	19.15.9	R	3 12 „
12	25.326	19.31	84.0	42·00	85.0	.0435	.8102	19.16.1	R	4 12 „
13	24.707	19.36	84.0	42.00	85.0	.0443	.8102	19·16.1	B	5 12 „
14	25.600	19·39	84.1	42·00	85.0	.0448	.8102	19.15.9	B	6 12 „
15	26.835	19.33	84.1	42.03	85.1	.0438	.8105	19.16.3	B	7 12 „
16	26.355	19.60	84.6	42.01	85.2	.0482	.8103	19.15.7	B	8 12 „
17	24.914	20.02	85.4	42.01	85.8	.0551	.8103	19.14.7	C	9 12 „
18	23.404	20.48	86·0	42.03	86.0	.0627	.8105	19.13.8	C	10 12 „
19	20.796	20.85	86.5	42.05	86.5	.0687	·8108	19.13.1	C	11 12 „
20	19.493	20.53	86.9	42.07	86.9	.0635	.8110	19.13·9	C	Noon.
21	20.110	20.28	87.2	42.09	87.0	.0594	.8112	19.14.5	R	1 12 p.m.
22	22.237	19.77	87.6	42.11	87·5	.0511	·8114	19.15.7	R	2 12 „
23	24.226	19.51	87.7	42.08	87.8	.0468	.8111	19.16.1	R	3 12 „

On the 1st, at about 19h. 15m., Dip as obtained by Observation was 19°06′6.

DAILY OBSERVATIONS, FROM 2ND TO 4TH OCTOBER 1860.

Date. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1860.
h.										h. m.
Oct. 2nd-Noon.	24·983	19.50	87°0	42.09	88°0	8.0466	2.8112	19°16′1	R	4 12 p. m.
1	24.570	19.48	86.5	42.07	88.0	.0463	.8110	19.16.2	B	5 12 ,,
2	24.776	19.26	85.8	42.04	87.2	.0427	·8106	19.16.5	B	6 12 ,,
3	24·707	18.95	85.6	42.02	86.8	.0375	·8104	19.17.0	B	7 12 ,,
4	24.707	19.18	85.2	42.05	86.5	.0413	.8108	19.16.8	B	8 12 ,,
5	24.639	19.32	85.0	42.03	86.4	.0436	.8104	19.16.2	C	9 12 ,,
6	24.639	19.64	85.0	42.02	86.3	.0489	.8104	19.15.5	C	10 12 ,,
7	25.120	19·50	85.0	41.98	86.1	.0466	.8100	19.15.7	C	11 12 ,,
8	24.846	19.51	85.0	42.00	86·0	.0468	.8102	19.15.7	C	Midnight.
9	24.846	19.55	84.7	42.05	85.5	.0474	.8108	19·16.0	R	1 12 a. m.
10	24.639	19.58	84.5	42.00	85.0	.0479	.8102	19.15.6	R	2 12 ,,
11	24.295	19.56	84.2	42.00	85·0	.0476	.8102	19·15.6	R	3 12 ,,
12	24.090	19.44	84.0	42.04	85.0	.0457	.8106	19.16.0	R	4 12 ,,
13	24.432	19.47	84.0	42.03	85·0	.0462	.8105	19·16.0	B	5 12 ,,
14	26.463	19.57	83.9	42.00	85.0	.0478	.8102	19.15.6	B	6 12 ,,
15	27.384	19.42	84.3	42.03	85.0	.0453	.8105	19.16.1	B	7 12 ,,
16	27.933	19.69	84.9	42.04	85.3	.0497	.8106	19.15.5	B	8 12 ,,
17	27.247	20.09	85.7	42.03	86.0	.0563	.8105	19.14.7	C	9 12 ,,
18	25.189	20.49	85.9	42.03	86.0	.0629	.8105	19.13.8	C	10 12 ,,
19	22.374	20.78	86.5	42.04	86.4	.0676	.8106	19·13.2	C	11 12 ,,
20	20.865	20.58	87.0	42.05	87.0	.0643	.8108	19.13.8	C	Noon.
21	21.071	20.24	87.4	42.07	87.1	.0588	.8110	19.14.5	R	1 12 p. m.
22	22.101	20.19	87.5	42.11	87.5	.0579	.8114	19.14.8	R	2 12 ,,
23	23.816	20.43	87.4	42.14	88·0	.0619	.8117	19.14.4	R	3 12 ,,
Oct. 3rd-Noon.	26.218	19.51	87.0	42.11	88.0	.0468	.8114	19.16.2	R	4 12 ,,
1	25.737	19.20	86.3	42.08	87.8	.0417	·8111	19.16.6	B	5 12 ,,
2	26.286	18·64	85.6	42.01	87.0	.0325	.8103	19.17.6	B	6 12 ,,
3	26.492	17.66	85.3	42.02	86.8	.0164	.8104	19.19.8	B	7 12 ,,
4	25.257	17.86	85.1	42.00	86.6	.0197	.8102	19·19.2	B	8 12 ,,
5	24.914	18.30	85.0	42.04	86.5	.0269	.8106	19.18.5	C	9 12 ,,
6	25.051	18.60	84.7	41.98	86.1	.0318	.8100	19.17.6	C	10 12 ,,
7	25.532	18.62	84.0	41.94	85.3	.0321	·8095	19.17.4	C	11 12 ,,
8	25.806	18.46	83.0	41.93	84.4	.0296	.8094	19.17.6	C	Midnight.
9	26.080	18.62	82.2	41.96	83.5	.0321	.8098	19.17.5	R	1 12 a. m.
10	26.080	18.76	82·0	41.96	83.5	.0345	.8098	19.17.1	R	2 12 ,,
11	25.326	18.91	82.0	41.93	83·2	.0369	.8094	19·16.7	R	3 12 ,,
12	24.983	18.95	82.2	41.95	83.4	.0375	.8097	19.16.8	R	4 12 ,,
13	25.189	19.00	82.1	41.95	83.4	.0384	.8097	19.16.8	B	5 12 ,,
14	26.855	18.82	81.8	41.95	83.0	.0354	.8097	19.17.1	B	6 12 ,,
15	27.933	18.83	81.8	41.94	82.9	.0356	.8096	19.16.9	B	7 12 ,,
16	28.276	19.07	81.2	41.92	82.4	.0396	·8093	19.16.3	B	8 12 ,,
17	26.698	19.40	81.4	41.93	82.6	.0450	.8094	19.15.6	C	9 12 ,,
18	24.707	19.81	82·0	41.93	82.8	.0517	.8094	19·14.7	C	10 12 ,,
19	23.335	20.02	82.9	41.94	83.0	.0551	.8095	19.14.4	C	11 12 ,,
20	22.374	19.87	84.1	41.98	83.7	.0527	.8100	19.14.9	C	Noon.
21	22.385	19.47	85.0	42.03	84.4	.0462	.8105	19,16.0	R	1 12 p. m.
22	23.677	19.20	85·0	42.05	85.0	.0417	·8108	19.16.6	R	2 12 ,,
23	24.570	18.88	85.0	42.07	85.5	.0364	.8110	19.17.5	R	3 12 ,,
Oct. 4th-Noon.	24.983	18.66	85.0	42.18	86.0	.0328	.8122	19.18·3	R	4 12 ,,
1	25.394	18.94	84.5	42.18	86.1	.0374	.8122	19.17.8	B	5 12 ,,
2	24.363	18.81	83.7	42.13	85·6	.0353	.8116	19.17.8	B	6 12 ,,
3	24.570	18.45	83.6	42.11	85.2	.0294	.8114	19.18.5	B	7 12 ,,
4	24.776	18.55	83.3	42.18	84.6	.0310	·8122	19.18.6	B	8 12 ,,
5	25.669	18.41	83·1	42·07	84.4	.0288	.8110	19.18.4	C	9 12 ,,
6	25·669	18.39	83.0	42.06	84.1	.0284	.8109	19.18.5	C	10 12 ,,
7	25.463	18.66	82.9	42.02	84.0	.0328	.8104	19.17·6	C	11 12 ,,
8	25.120	19.09	82.7	42.02	84·0	.0399	.8104	19.16.7	C	Midnight.
9	25.600	18.98	82.4	42.00	83.4	.0380	.8102	19.16.9	R	1 12 a. m.
10	25.532	18.88	82.3	42·00	83.2	.0364	.8102	19.17.1	R	2 12 ,,
11	25.669	18.94	82.2	41.99	83.0	.0374	.8101	19.17.0	R	3 12 ,,

DAILY OBSERVATIONS, FROM 4TH TO 7TH OCTOBER 1860.

Date. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1860.
h.										h. m.
Oct. 4th—12	25·532	18.91	82·0	41.99	83·0	8.0369	2.8101	19°17·0	R	4 12 a. m.
13	25.669	19.05	82.0	41.94	83.0	.0392	.8095	19.16.5	B	5 12 „
14	26.835	18.97	82.1	41.99	83.0	.0379	.8101	19.16.9	B	6 12 „
15	27.521	19.18	82.6	41.98	83.2	·0413	.8100	19.16.5	B	7 12 „
16	26.972	19.35	83.2	42.01	83.5	.0441	.8103	19.16.2	B	8 12 „
17	26.080	19.43	82.1	41.99	83.0	.0455	.8101	19.15.8	C	9 12 „
18	25·257	19.74	83.3	41.99	83.0	.0506	.8101	19.15.2	C	10 12 „
19	23.130	19.92	84.0	42.00	84.0	.0534	.8102	19.14.9	C	11 12 „
20	21.895	19.95	84.8	42.02	84.5	.0539	.8104	19·14.9	C	Noon.
21	22.787	19.77	84.9	42.05	85·0	.0511	.8108	19.15.5	R	1 12 p. m.
22	24.159	19.70	85.0	42.06	85.3	.0499	.8109	19.15.6	R	2 12 „
23	24.295	19.43	85.2	42.08	86.0	·0455	.8111	19.16.2	R	3 12 „
Oct. 5th-Noon.	25.120	19.20	85.0	42.04	86.0	.0417	.8106	19.16.5	R	4 12 „
1	24.776	18.96	84.5	42.03	86.0	.0377	.8105	19.17.1	B	5 12 „
2	24.502	18.88	83.5	42.01	85.2	.0364	.8103	19.17.2	B	6 12 „
3	25.257	18.59	83.2	41.96	84.6	.0317	.8098	19.17.5	B	7 12 „
4	24.914	18.74	83.0	41.95	84.4	.0342	·8097	19.17.3	B	8 12 „
5	24.639	18.99	82.7	41.92	84.0	.0382	.8093	19.16.6	C	9·12 „
6	24.363	19.16	82.4	41.91	83.8	.0410	.8092	19.16.1	C	10 12 „
7	24.502	19.18	82.1	41.91	83.5	.0413	.8092	19.16.1	C	11 12 „
8	24.846	19.23	82.0	41.89	83.2	.0422	.8090	19.15.9	C	Midnight.
9	24.707	19.28	81.8	41.88	82·8	.0430	.8089	19.15.7	R	1 12 a. m.
10	24.639	19.34	81.8	41.88	82.8	.0440	.8089	19.15.6	R	2 12 „
11	24.363	19.42	81.8	41.88	82.7	.0453	.8089	19.15.4	R	3 12 „
12	24.502	19.36	82.0	41.88	82.5	·0443	.8089	19.15.6	R	4 12 „
13	24.846	19.36	82.0	41.90	82·6	.0443	.8091	19.15.7	B	5 12 „
14	25.532	19.36	82.0	41.93	82.6	.0443	.8094	19.15.8	B	6 12 „
15	26.629	19.28	82.0	41.92	82.5	.0430	.8093	19.15.9	B	7 12 „
16	27.041	19.52	82.4	41.93	82.8	.0469	.8094	19.15.4	B	8 12 „
17	25.943	19.98	83.2	41.93	83.1	.0544	.8094	19·14.5	C	9 12 „
18	24.502	20·40	84.0	41.97	84.0	.0614	.8099	19.13·8	C	10 12 „
19	22.718	20.74	84.9	41.99	84.8	.0702	.8101	19.12.7	C	11 12 „
20	21·415	20.60	85.2	42.02	85·4	.0646	.8104	19.13.4	C	Noon.
21	21.968	20·50	85.6	41.97	85.5	.0630	.8099	19.13.5	R	1 12 p. m.
22	23.130	20.24	85.7	42.03	86.0	.0588	·8105	19.14.3	R	2 12 „
23	24.570	20.08	85.5	42.03	86·2	.0561	.8105	19·14.7	R	3 12 „
Oct. 7th-Noon.	24.914	20.29	85.8	41.90	86.8	·0596	·8091	19.13.6	B	4 12 „
1	24.502	20.14	85.3	41.92	86.5	.0571	.8093	19.14.1	B	5 12 „
2	23.816	19.96	84.7	41.82	85.8	.0541	.8082	19.14.0	B	6 12 „
3	23.884	19.88	84·5	41.78	85·4	.0528	.8078	19.14.0	B	7 12 „
4	24.363	19.77	84.2	41.78	85.2	.0511	.8078	19.14.3	B	8 12 „
5	24.159	19.71	84.0	41.75	85.0	.0501	.8075	19.14.3	C	9 12 „
6	24·226	19.70	84.0	41.73	85.0	.0499	.8072	19.14.1	C	10 12 „
7	24.639	19.70	84.0	41.75	85.0	.0499	.8075	19.14.3	C	11 12 „
8	24·639	19.72	84.0	41.75	85.0	.0502	.8075	19.14.3	C	Midnight.
9	24.707	19.77	84.0	41.74	84.6	.0511	.8073	19.14.1	R	1 12 a. m.
10	24.639	19.78	83.8	41.74	84.5	.0512	.8073	19.14.1	R	2 12 „
11	24.502	19.77	83.7	41.72	84.0	.0511	.8071	19.14.0	R	3 12 „
12	24.432	19.75	83.6	41.74	84.0	.0507	.8073	19.14.1	R	4 12 „
13	24.226	19.83	83.6	41.78	84.1	.0520	.8078	19.14.1	B	5 12 „
14	24.570	19.82	83.4	41.79	84.2	.0518	.8079	19.14.1	B	6 12 „
15	26·149	19.82	83.5	41.86	84·3	.0518	.8087	19·14.5	B	7 12 „
16	26.835	20.03	84.0	41.89	84.5	·0553	.8090	19.14.2	B	8 12 „
17	26.423	20.58	84.9	41.89	84.8	.0643	·8090	19.13.1	C	9 12 „
18	25.600	21.00	85·0	41·95	85·0	.0712	.8097	19.12.5	C	10 12 „
19	23.473	21.29	85.5	41.96	85.4	.0760	.8098	19.11.8	C	11 12 „
20	21.619	21.18	86.0	41.98	86.0	.0741	.8100	19.12.2	C	Noon.
21	21·895	20.97	86.5	41.99	86·4	.0707	.8101	19.12.6	R	1 12 p. m.
22	22.649	20.72	86.5	42.00	86.7	.0666	·8102	19.13.1	R	2 12 „
23	24.021	20.45	86.2	42·02	86.7	.0622	.8104	19.13.8	R	3 12 „

On the 4th, at about 19h. 45m., Dip as obtained by Observation was 19°07′2.
On the 5th, at about 19h, 15m., Deflection Observations were taken.

DAILY OBSERVATIONS, FROM 8TH TO 10TH OCTOBER 1860.

DATE. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1860.
h.										h. m.
OCT. 8TH-Noon.	24·914	20.33	86°0	41.99	86°4	8.0602	2.8101	19°14′0	R	4 12 p. m.
1	24.226	20·20	85.6	41.99	86.4	.0581	.8101	19.14.3	B	5 12 ,,
2	23.540	20.19	85.4	41.97	86.2	.0579	.8099	19.14.2	B	6 12 ,,
3	23.816	20.09	85.2	41.95	85.7	.0563	.8097	19.14.4	B	7 12 ,,
4	23·884	20.01	85.1	41.99	85.7	.0550	.8101	19.14.6	B	8 12 ,,
5	23.746	19.91	84.5	41.97	85·7	.0533	.8099	19.14.8	C	9 12 ,,
6	23.609	20.15	84.2	41.97	85.6	.0572	.8099	19.14.3	C	10 12 ,,
7	23.884	20.13	84.2	41.96	85.4	.0569	.8098	19.14·3	C	11 12 ,,
8	24·159	20.06	84.2	41.96	85.2	.0558	.8098	19.14.4	C	Midnight.
9	24.295	20.12	84.0	41.95	85.0	.0567	·8097	19.14.3	R	1 12 a. m.
10	24.159	20.19	83.9	41.95	84.9	.0579	.8097	19.14.2	R	2 12 ,,
11	24.159	20.12	83.9	41.94	84.7	.0567	.8095	19.14.2	R	3 12 ,,
12	24.021	20.21	83.9	41.94	84.7	.0583	.8095	19.14.1	R	4 12 ,,
13	24.021	19.99	80.8	41·94	84.6	.0546	.8095	19.14.4	B	5 12 ,,
14	24.226	20.21	83.5	41.96	84.5	.0583	.8098	19.14.2	B	6 12 ,,
15	24.914	19.74	83.6	41.94	84.5	.0506	·8095	19.15.0	B	7 12 ,,
16	25.806	20.27	84.2	41.96	84.6	.0593	.8098	19.14.0	B	8 12 ,,
17	25.532	20.41	85.0	41.97	85.0	.0616	.8099	19.13.4	C	9 12 ,,
18	25·120	20.65	86.0	42.00	85.4	.0604	.8102	19.13.3	C	10 12 ,,
19	24.363	20.74	86.7	42.02	86.0	.0670	.8104	19.13.2	C	11 12 ,,
20	23.854	20.87	87.0	42·02	86·5	.0691	.8104	19.12.9	C	Noon.
21	21.963	20.70	87.2	42.02	87.0	.0663	.8104	19.13.3	R	1 12 p. m.
22	22.581	20.42	87.4	42·05	87.5	.0617	.8108	19.14.0	R	2 12 ,,
23	23.540	20.24	87.5	42.04	88.0	.0588	.8106	19·14.3	R	3 12 ,,
OCT. 9TH-Noon.	24.159	20.30	87·2	42·04	88.0	.0597	.8106	19.14.2	R	4 12 ,,
1	23.609	20.19	86.4	35.58	87.8	.0579	.8167	19.16.9	B	5 12 ,,
2	23.746	20·15	86.1	35.94	87.3	.0572	.8205	19.18.5	B	6 12 ,,
3	24.090	19.96	86·0	35.99	87.0	.0541	.8211	19.19.1	B	7 12 ,,
4	23.953	19.95	86.0	35.98	86.8	.0539	.8210	19.19.1	B	8 12 ,,
5	24.090	19.78	85.7	36.04	86.7	.0512	·8216	19.19.7	C	9 12 ,,
6	24.295	19.61	85·5	35.90	86.5	.0484	.8201	19.19.5	C	10 12 ,,
7	24.502	20.03	85.0	35.94	86.2	.0553	.8205	19.18.7	C	11 12 ,,
8	24.502	19.79	84.8	35.96	86.0	.0514	.8208	19.19.4	C	Midnight.
9	24.846	19.91	84.5	35.97	85.6	.0533	.8209	19.19.1	R	1 12 a. m.
10	24.846	19.89	84.4	35.96	85.4	.0530	.8208	19.19.1	R	2 12 ,,
11	24.502	19.87	84.0	35.95	85.0	.0527	.8207	19.19·1	R	3 12 ,,
12	24.226	19.95	83.9	35.94	84.9	.0539	.8205	19.18.9	R	4 12 ,,
13	23.884	20.00	83.9	35.83	84.9	.0548	.8193	19.18.2	B	5 12 ,,
14	24.295	20.12	83.9	35.85	84.9	.0567	.8196	19.18.1	B	6 12 ,,
15	25.326	20.10	83.9	35.99	84.7	.0564	.8211	19.18.8	B	7 12 ,,
16	25.875	20.38	84·0	35.80	84.9	.0610	.8190	19.17.4	B	8 12 ,,
17	25.463	20.78	85.5	35.47	85.6	.0676	.8154	19.15.1	C	9 12 ,,
18	24.295	21.07	86.5	35.29	86.3	·0724	.8134	19.13.7	C	10 12 ,,
19	22.512	21.16	87.0	35.06	86.7	·0738	.8109	19.12.5	C	11 12 ,,
20	21.758	20.96	87.0	35.11	87.0	.0705	.8114	19.13.1	C	Noon.
21	22.101	20.75	87.2	35.26	87.0	.0671	·8131	19.14.3	R	1 12 p. m.
22	23.130	20.57	87.5	35.33	87.5	.0642	.8138	19.15.0	R	2 12 ,,
23	23.609	20.43	87.6	35·24	88.0	.0619	.8128	19.14.8	R	3 12 ,,
OCT.10TH-Noon.	23.609	20.27	87.6	35.15	88.4	.0593	.8119	19.14.8	R	4 12 ,,
1	23.816	20.22	87.5	35.20	88.4	.0584	.8124	19.15.2	B	5 12 ,,
2	23.816	19.96	86.5	35.23	87.6	.0541	.8127	19.15.9	B	6 12 ,,
3	24.021	19.91	86.1	35.13	87.1	.0533	.8116	19.15.5	B	7 12 ,,
4	23.953	19.87	86.0	35.18	86.6	.0527	.8122	19·15.7	B	8 12 ,,
5	24.159	19.91	85.9	35.10	86.6	.0533	.8113	19.15.4	C	9 12 ,,
6	24.159	20.02	85.5	35.08	86.5	.0551	·8111	19.15.0	C	10 12 ,,
7	24.226	19.86	85.5	35.05	86·5	.0525	.8108	19.15.2	C	11 12 ,,
8	24.159	19.98	85.5	35.04	86.4	.0544	.8106	19.15.0	C	Midnight.
9	24.295	19.99	85.5	35·08	86.0	.0546	.8111	19.15.0	R	1 12 a.m.
10	24·363	19.95	85.3	34.78	86.0	.0539	.8078	19.13.9	R	2 12 ,,
11	24.159	19.97	85.1	34.78	86.0	.0543	.8078	19.13.9	R	3 12 ,,

On the 8th, at about 20h. 40m., Dip as obtained by Observation was 18°57′2.
On the 9th, Vertical Force was readjusted at 5 P. M. or 1h. G. M. T.

DAILY OBSERVATIONS, FROM 10TH TO 12TH OCTOBER 1860.

DATE. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1860.
h.										h. m.
OCT. 10TH—12	24·159	20.05	85°0	34.68	• 85°9	8.0556	2.8067	19°13′2	R	4 12 a. m.
13	24.021	20.11	84.7	34.68	85.9	.0566	.8067	19·13.1	B	5 12 „
14	24.502	20.12	84.5	34.79	85·8	.0567	.8078	19.13.5	B	6 12 „
15	24.846	20.07	84.5	34.73	85.6	.0560	.8072	19.13.3	B	7 12 „
16	26.492	20.36	84.9	34.52	85.6	.0607	.8049	19.11.9	B	8 12 „
17	26.218	20.69	85.5	34.30	86.0	.0661	.8025	19.10.3	C	9 12 „
18	25.326	20.95	85.9	34.04	86.3	·0703	.7996	19.08.6	C	10 12 „
19	24.090	21.14	86.9	33.93	86.9	.0735	.7984	19.07.6	C	11 12 „
20	23.473	21.06	87.1	33.91	87.5	.0722	.7982	19.07.7	C	Noon.
21	23.198	20.94	88.0	34.04	88.0	.0702	.7996	19.08.6	R	1 12 p. m.
• 22	23.677	20.87	89.0	34.07	89.0	.0691	.8000	19.08.9	R	·2 12 „
23	24.432	20.68	89.9	34.09	89.5	.0659	.8002	19.09.3	R	3 12 „
OCT. 11TH-Noon.	24.432	20.51	89.2	33.73	89.5	.0632	.7962	19.08.1	R	4 12 „
1	23.816	20.37	88.5	33.54	89.5	.0609	·7941	19.07.7	B	5 12 „
2	23.540	20.22	87.4	33.64	88.6	.0584	.7952	19.08.5	B	6 12 „
3	23.816	20.08	87.1	33.70	88.2	.0561	.7959	19.09.0	B	7 12 „
4	24.090	20.02	87.0	33.62	88.0	.0551	.7950	19.08.8	B	8 12 „
5	24.090	20.03	86.6	33.59	88.0	.0553	.7947	19.08.7	C	9 12 „
6	24.226	19.98	86.0	33.51	87.6	.0544	.7938	19.08.5	C	10 12 „
7	24.432	20.06	85.7	33·56	87.3	.0558	.7944	19·08.4	C	11 12 „
8	24.432	20.00	85.5	33.59	87.0	.0548	.7947	19.08.7	C	Midnight.
9	24.159	20.04	85.5	33.58	86.4	.0555	.7946	19.08.5	R	1 12 a. m.
10	24.159	20.10	85·3	33.09	86.3	.0564	.7892	19.06.3	R	2 12 „
11	24.295	20.15	85.0	33.08	86.0	.0572	.7891	19.06.2	R	3 12 „
12	24.159	20.13	84.9	33.15	85.9	.0569	.7899	19.06.5	R	4 12 „
13	23.884	20.09	84.6	33.06	85.9	.0563	.7889	19.06.2	B	5 12 „
14	24.707	20.06	84.5	33.32	85.8	.0558	.7917	19.07.4	B	6 12 „
15	25.943	19.86	84.5	33.32	85.6	.0525	.7917	19.07.8	B	7 12 „
16	26.080	20.36	85.1	32.92	85.6	.0607	.7873	19.05.0	B	8 12 „
17	24.983	20.71	86.0	32.53	85.9	.0665	.7830	19.02.6	C	9 12 „
18	22.305	20.99	87.0	32·40	86.5	.0710	.7816	19.01.5	C	10 12 „
19	21.688	21.21	87.7	32.46	87.0	.0747	.7823	19.01.2	C	11 12 „
20	21.826	21.19	88.0	32.48	87.8	.0743	.7825	19.01.5	C	Noon.
21	21.758	21.12	89.0	32.65	88.3	.0731	.7844	19.02.3	R	1 12 p. m.
22	22.923	20.91	89.5	32.77	89.0	.0697	.7857	19.03.2	R	2 12 „
23	24.021	20.51	89.5	32.71	89.5	.9632	.7851	19.03.9	R	3 12 „
OCT. 12TH-Noon.	24.639	20.20	89.5	32.39	89.6	.0581	.7815	19.03.2	R	4 12 „
1	23.816	20.17	89.2	32.29	89.7	.0576	·7804	19.02.7	B	5 12 „
2	24.746	20.12	88.3	32.42	89.0	.0567	·7818	19.03.4	B	6 12 „
3	24.502	20.05	88.0	32.48	88.5	.0556	.7825	19.03.8	B	7 12 „
4	24.502	19.91	87.5	32.44	88.1	.0533	.7820	19.04.0	B	8 12 „
5	24.159	19.86	87.1	32.42	88.0	.0525	.7818	19.03.9	C	9 12 „
6	24.159	19.95	86.9	32.43	87·8	.0539	.7819	19.03.8	C	10 12 „
7	24.502	19.97	86.6	32.43	87.6	.0543	.7819	19.03.8	C	11 12 „
8	24.639	19.93	86.3	32.47	87.4	.0536	.7824	19.04.0	C	Midnight.
9	24.776	20.13	86·2	32.41	87.0	.0569	.7817	19.03.4	R	1 12 a. m.
10	25.051	20.01	85.9	32.61	87.0	.0550	.7839	19.03.4	R	2 12 „
11	24.639	20.03	85.7	32.40	86.6	.0553	.7816	19.03.5	R	3 12 „
12	24.432	19.89	85.5	32.39	86.4	.0530	.7815	19.03.8	R	4 12 „
13	24.226	20.12	85.4	32·01	86.3	.0567	.7773	19.01.6	B	5 12 „
14	24.295	20·17	85.2	32.17	86.3	.0576	.7791	19.02.2	B	6 12 „
15	25.532	19.86	85.4	32.09	86.4	.0525	.7782	19.02.4	B	7 12 „
16	26.012	20.18	86.0	31.90	86.5	.0577	.7761	19.01.0	B	8 12 „
17	25.943	20.64	86.9	31.56	86.9	.0653	.7724	18.58.6	C	9 12 „
18	24.090	21.04	88.0	31·07	87.7	.0719	.7670	18.55.6	C	10 12 „
19	22.649	21.24	88.5	31.02	88·0	.0752	.7664	18.54.9	C	11 12 „
20	22.168	21.22	88.7	31.24	88.1	.0748	.7688	18.55.9	C	Noon.
21	22.237	21.01	88.9	31·46	88.5	.0715	.7713	18.57.3	R	1 12 p. m.
22	23.335	20.82	89.0	31.57	89.0	.0682	.7725	18.58.4	R	2 12 „
23	24.295	20.56	89.5	31.49	89.5	.0640	.7716	18.58.5	R	3 12 „

On the 11th, at about 19h., Dip as obtained by Observation was 19°18′1.
On the 12th, at about 19h. 30m., Deflection Observations were taken.

DAILY OBSERVATIONS, FROM 14TH TO 16TH OCTOBER 1860.

Date. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1860.
h.										h. m.
Oct. 14th-Noon.	23·953	20.47	89°4	30·43	90°2	8.0626	2.7599	18°54'0	B	4 12 p. m.
1	23.816	20.28	88.3	30·24	89.8	.0594	.7578	18.53.7	B	5 12 ,,
2	23.816	20.25	87.2	30.36	88.8	.0589	.7592	18.54.2	B	6 12 ,,
3	24·432	20.14	86.6	30.39	88.1	.0571	.7595	18·54.7	B	7 12 ,,
4	24.363	20.14	86.1	30.38	87.6	.0571	.7594	18.54.6	B	8 12 ,,
5	24.090	20.03	86.0	30.21	87.5	.0553	.7575	18.54.1	C	9 12 ,,
6	24.090	20.22	86.2	30.23	87.5	.0584	.7577	18.53.9	C	10 12 ,,
7	24.090	20.18	86.0	30.27	87.4	.0577	.7582	18.54.0	C	11 12 ,,
8	24.363	20.06	85.7	30.36	87.1	.0574	.7592	18.54.5	C	Midnight.
9	24.639	20.17	85.4	30.40	86.5	.0576	·7596	18.54.6	R	1 12 a. m.
10	24.846	20.20	85.0	30.42	86.3	.0581	.7598	18.54.7	R	2 12 ,,
11	24.639	20.05	85.0	30.38	86.0	.0556	.7594	18.54.7	R	3 12 ,,
12	24.707	20.18	84.9	30.18	86.0	.0577	.7572	18.53.6	R	4 12 ,,
13	24.570	20.11	84.4	30.17	85.6	.0564	.7571	18.53.8	B	5 12 ,,
14	25.189	20.21	84.4	30.39	85.5	.0583	.7595	18.54.6	B	6 12 ,,
15	26.218	20.06	84.6	30.25	85.6	.0558	.7580	18.54.2	B	7 12 ,,
16	26.218	20.64	85.5	29·83	86.0	.0653	.7530	18.51.2	B	8 12 ,,
17	24.846	21.39	86.7	29.35	86.7	.0776	.7481	18.47.5	C	9 12 ,,
18	22.787	21.75	87.8	29.07	87.3	·0835	.7452	18.45.6	C	10 12 ,,
19	20.522	22.03	88.8	29.02	88.0	.0881	.7444	18.44.8	C	11 12 ,,
20	20.522	21.73	89.6	29.31	88.6	.0832	.7474	18.46.5	C	Noon.
21	21.345	21.33	89.6	29.55	89.0	.0766	.7503	18.48.5	R	1 12 p. m.
22	23.198	20.96	89.6	29.68	89.3	.0705	.7517	18.49.9	R	2 12 ,,
23	24.776	20.83	89.9	29.70	90.0	.0684	.7509	18.50.3	R	3 12 ,,
Oct. 15th-Noon.	25.463	20.44	88·0	29.65	89.0	.0621	.7514	18·50.8	R	4 12 ,,
1	24.914	20.41	87.2	29.45	88.4	.0616	.7492	18.49.9	B	5 12 ,,
2	23.816	20.44	86.6	29.50	88.1	.0621	.7497	18.50.2	B	6 12 ,,
3	23.816	20.17	86.5	29.55	87.6	.0576	.7503	18.51.0	B	7 12 ,,
4	23.884	20.14	86.1	29·53	87.5	.0571	.7502	18.51.0	B	8 12 ,,
5	24.021	20.13	86.0	29.56	87.2	.0569	.7504	18.51.0	C	9 12 ,,
6	24.363	20.13	86.0	29.91	87.0	.0569	.7542	18·52.6	C	10 12 ,,
7	24.502	20.21	85.9	29.96	87.0	.0583	.7548	18.52.8	C	11 12 ,,
8	24.846	20.03	85.7	29.99	86.9	.0553	.7551	18.53.2	C	Midnight.
9	24.846	19.87	85.4	29.98	86.0	.0527	.7550	18.53.5	R	1 12 a. m.
10	24.846	19.82	85.4	29.88	86.0	.0518	.7539	18·53.1	R	2 12 ,,
11	24.432	20.03	85.2	29.57	85.7	.0553	.7505	18.51.4	R	3 12 ,,
12	24.159	20.04	85.2	29.67	85.5	.0555	.7516	18.51.7	R	4 12 ,,
13	24.021	20.04	85.1	29.69	85.5	.0555	.7518	18.51.8	B	5 12 ,,
14	25.189	20.16	85·1	29.87	85.5	.0574	.7538	18.52.5	B	6 12 ,,
15	26.355	20.23	85.1	29.82	85.5	.0586	.7532	18.51.9	B	7 12 ,,
16	26.904	20.77	85.6	29.32	85.8	.0675	.7477	18.48.7	B	8 12 ,,
17	25.669	21.10	86.5	28.85	86·3	.0728	.7426	18.46.0	C	9 12 ,,
18	23.473	21.57	87.4	28.50	86.8	.0816	.7387	18·43.3	C	10 12 ,,
19	21.826	21.51	88.2	28.50	87·3	.0796	·7387	18.43.6	C	11 12 ,,
20	21.139	21.39	88.3	28.73	87.8	.0776	.7412	18.45.2	C	Noon.
21	21.619	21.19	88.3	29.03	87.9	.0743	.7445	18.46.7	R	1 12 p. m.
22	22.991	20.90	88.4	29.14	88.1	.0695	.7457	18.47.7	R	2 12 ,,
23	24.363	20.63	88.5	29.13	88.9	.0651	.7456	18.48.3	R	3 12 ,,
Oct. 16th-Noon.	24.639	20.61	88.5	29.07	89.0	.0648	.7450	18·48.0	R	4 12 ,,
1	23.884	20·79	88.2	28·92	89.0	.0678	.7433	18.47.0	B	5 12 ,,
2	23.198	20·67	86.2	29.13	87.8	.0658	.7456	18.48.1	B	6 12 ,,
3	22.787	20.08	83.8	29.13	86.1	.0561	.7456	18.49.4	B	7 12 ,,
4	23.540	20.15	83.6	29.17	85.6	.0572	.7461	18.49.4	B	8 12 ,,
5	23.540	20·01	83.1	29·20	85.0	.0550	.7464	18.49.7	C	9 12 ,,
6	23.335	19.93	83.2	29.27	84.7	.0536	.7472	18·50.2	C	10 12 ,,
7	24.226	20.01	83.1	29.34	84.5	.0550	.7479	18.50.3	C	11 12 ,,
8	24.639	20·11	83·1	29.28	84.5	.0566	·7473	18.50.1	C	Midnight.
9	24.914	20.57	83.3	29.22	84.0	.0642	.7466	18.48.7	R	1 12 a. m.
10	25.120	20.14	83.3	29·43	84.0	·0571	.7489	18.50.5	R	2 12 ,,
11	24.846	20.09	83.0	29.32	84.0	.0563	.7477	18.50.2	R	3 12 ,,

On the 15th, at about 19h. 30m., Dip as obtained by Observation was 18°35'0.

DAILY OBSERVATIONS, FROM 16TH TO 18TH OCTOBER 1860.

Date. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1860.
h.										h. m.
Oct. 16th—12	24'159	20.14	83°0	29.32	84°0	8.0571	2.7477	18°50'1	R	4 12 a. m.
13	24.502	20.10	83.0	29.42	84.0	.0564	.7488	18.50.6	B	5 12 „
14	24.502	20.19	83.1	29.07	84.1	.0579	.7483	18.50.2	B	6 12 „
15	25.189	20.31	83.1	29.24	84.1	.0599	.7468	18.49.3	B	7 12 „
16	25.257	20.70	83.6	28.98	84.3	.0663	.7440	18.47.5	B	8 12 „
17	25.120	21.65	85.0	28.75	85.0	.0818	.7415	18.44.4	C	9 12 „
18	24.159	21.68	85.9	28.64	85.3	.0823	.7402	18.43.8	C	10 12 „
19	22.512	21.83	86.8	28.48	86.0	.0848	.7385	18.42.8	C	11 12 „
20	22.374	21.40	87.2	28.88	86.7	.0778	.7429	18.45 5	C	Noon.
21	23.130	20.92	87.5	29.01	87.0	.0698	.7443	18.47.1	R	1 12 p. m.
22	24.159	20.40	87.8	29.03	87.5	.0614	.7445	18.48.4	R	2 12 „
23	24.983	19.97	88.0	28.91	88.0	.0543	.7432	18.48.7	R	3 12 „
Oct. 17th-Noon.	24.983	19.85	87.5	28.84	87.9	.0523	.7424	18.48.6	R	4 12 „
1	24.707	19.72	87.4	28.83	87.6	.0502	.7423	18.48.9	B	5 12 „
2	23.884	19.83	86.6	28.73	87.5	.0520	.7412	18.48.1	B	6 12 „
3	24.502	19.51	86.0	28.90	86.5	.0468	.7431	18.49.6	B	7 12 „
4	24.159	19.65	86.0	28.84	86.3	.0490	.7424	18.49.0	B	8 12 „
5	24.159	19.57	86.1	28.78	86.1	.9478	.7418	18.49.0	C	9 12 „
6	24.363	19.66	86.0	28.93	86.0	.0490	.7434	18.49.4	C	10 12 „
7	24.502	19.80	84.8	28.93	85.9	.0515	.7434	18.49.0	C	11 12 „
8	24.502	19.80	84.9	28.95	85.8	.0515	.7437	18.49.2	C	Midnight.
9	24.502	19.81	84.8	28.90	85.0	.0517	.7431	18.48.9	R	1 12 a. m.
10	24.432	20.11	85.0	28.95	85.3	.0566	.7437	18.48.6	R	2 12 „
11	24.776	19.90	84.7	28.95	85.0	.0531	.7437	18.49.1	R	3 12 „
12	24.707	19.81	84.5	28.89	85.0	.0517	.7430	18.48.9	R	4 12 „
13	24.846	19.86	84.2	28.50	85.0	.0525	.7387	18.47.1	B	5 12 „
14	24.914	19.89	84.1	28.51	85.1	.0530	.7388	18.47.1	B	6 12 „
15	25.532	20.09	84.5	28.50	85.1	.0563	.7387	18.46.7	B	7 12 „
16	25.669	20.55	85.2	28.36	85.3	.0638	.7372	18.45.0	B	8 12 „
17	25.532	20.92	86.2	28.03	86.0	.0698	.7334	18.42.8	C	9 12 „
18	24.090	21.22	87.8	27.71	87.0	.0748	.7320	18.41.6	C	10 12 „
19	22.854	21.28	88.2	27.60	87.3	.0758	.7288	18.40.2	C	11 12 „
20	22.923	21.33	88.9	27.74	88.0	.0766	.7323	18.41.5	C	Noon.
21	22.581	21.12	89.0	27.75	88.2	.0731	.7325	18.42.1	R	1 12 p. m.
22	23.198	20.79	89.1	27.86	88.7	.0678	.7326	18.42.8	R	2 12 „
23	24.159	20.64	89.4	27.87	89.0	.0653	.7328	18.43.2	R	3 12 „
Oct. 18th-Noon.	24.159	20.43	88.7	27.82	89.0	.0619	.7322	18.43.3	R	4 12 „
1	23.953	20.37	88.1	27.81	88.7	.0609	.7321	18.43.5	B	5 12 „
2	23.816	20.20	87.3	27.79	88.1	.0581	.7320	18.43.9	B	6 12 „
3	24.090	20.03	87.2	27.84	88.0	.0553	.7324	18.44.3	B	7 12 „
4	24.021	19.97	87.0	27.83	87.6	.0543	.7323	18.44.5	B	8 12 „
5	24.432	19.84	85.8	27.81	86.9	.0522	.7321	18.44.6	C	9 12 „
6	24.159	19.89	85.2	27.89	86.4	.0530	.7321	18.44.5	C	10 12 „
7	24.502	19.83	84.6	28.01	85.3	.0520	.7333	18.45.1	C	11 12 „
8	24.502	19.86	84.2	28.15	84.9	.0525	.7349	18.45.6	C	Midnight.
9	23.953	19.87	84.0	28.04	84.5	.0527	.7336	18.45.1	R	1 12 a. m.
10	24.502	19.92	84.0	28.11	84.4	.0534	.7344	18.45.4	R	2 12 „
11	24.502	19.90	83.9	27.94	84.5	.0531	.7325	18.44.9	R	3 12 „
12	24.502	20.12	83.7	28.12	84.0	.0567	.7345	18.45.0	R	4 12 „
13	24.570	20.12	83.7	28.18	84.4	.0567	.7352	18.45.2	B	5 12 „
14	24.502	20.10	83.6	28.33	84.4	.0564	.7368	18.45.9	B	6 12 „
15	26.766	20.18	83.8	28.35	84.4	.0577	.7371	18.45.8	B	7 12 „
16	27.315	20.55	84.3	28.04	84.6	.0638	.7336	18.43.7	B	8 12 „
17	26.629	20.97	85.1	27.70	85.1	.0707	.7319	18.42.1	C	9 12 „
18	25.463	21.25	85.9	27.52	86.0	.0753	.7279	18.39.9	C	10 12 „
19	24.639	21.49	87.3	27.51	86.6	.0793	.7278	18.39.4	C	11 12 „
20	24.159	21.49	88.5	27.52	87.9	.0793	.7279	18.39.4	C	Noon.
21	24.021	21.28	88.8	27.44	88.0	.0758	.7270	18.39.5	R	1 12 p. m.
22	23.677	21.12	89.3	27.41	88.7	.0731	.7267	18.39.8	R	2 12 „
23	23.816	20.83	89.6	27.37	89.0	.0684	.7263	18.40.3	R	3 12 „

DAILY OBSERVATIONS, FROM 19TH TO 22ND OCTOBER 1860.

Date. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1860.
h.										h. m.
Oct. 19th-Noon.	23·746	20.72	89·0	27.32	89·3	8.0666	2.7257	18°40'3	R	4 12 p. m.
1	23.335	20.47	87.6	27.26	88.8	·0626	.7251	18.40.5	B	5 12 ,,
2	23.816	20.14	85.5	27.59	87.2	.0571	.7287	18.42.7	B	6 12 ,,
3	24.159	20.06	85.0	27.50	86.5	.0558	.7277	18.42.4	B	7 12 ,,
4	24.159	20.09	84.6	27.39	85·8	.0563	.7265	18.41.9	B	8 12 ,,
5	23.540	20.04	84.0	27.39	84.9	.0555	.7265	18.41.9	C	9 12 ,,
6	23.816	19.98	83.4	27.77	83.9	.0544	.7327	18.44.7	C	10 12 ,,
7	24.226	19.92	83.1	27.79	83.7	·0534	.7329	18.44.8	C	11 12 ,,
8	24.021	20.08	83.1	27.85	83.5	.0561	.7326	18.44.3	C	Midnight.
9	24.226	20.09	83·0	27.82	83·4	.0563	.7322	18.44.1	R	1 12 a. m.
10	24.295	20.19	83.0	27.81	83.5	.0579	.7321	18.43.9	R	2 12 ,,
11	24.159	20.19	83.0	27.71	83.5	.0579	.7320	18.43.9	R	3 12 ,,
12	23.816	20.19	83·0	27.76	83·5	.0579	.7329	18.44.2	R	4 12 ,,
13	23.746	20.26	83.1	27.83	83.6	.0591	.7323	18.43.8	B	5 12 ,,
14	24.570	20.20	82.8	27.96	83.6	·0581	.7328	18.44.2	B	6 12 ,,
15	25.943	20·25	83.0	28·01	83·6	.0588	.7333	18.44.2	B	7 12 ,,
16	26.629	20.70	83.6	27.76	83.8	·0663	.7326	18.43.0	B	8 12 ,,
17	26.149	21.08	84.6	27.53	84.4	.0725	.7280	18.40·3	C	9 12 ,,
18	24.639	21.40	85.0	27.19	84.8	.0778	.7243	18.38·3	C	10 12 ,,
19	23.335	21.57	85.1	27.05	85·0	.0806	.7228	18.37.3	C	11 12 ,,
20	22.305	21.56	85.7	27.12	85.6	·0804	.7235	18.37.7	C	Noon.
21	21.963	21.42	86.0	27.18	86·9	.0781	.7242	18.38·2	R	1 12 p. m.
22	22.101	21.35	86.1	27.23	86.0	.0769	.7247	18.38.6	R	2 12 ,,
23	23.267	21.25	86.4	27.38	86.1	.0753	.7264	18.39.3	R	3 12 ,,
Oct. 21st-Noon.	24.021	20.43	86.9	26.83	87.7	.0619	.7213	18.39.1	B	4 12 ,,
1	23.540	20·13	86.2	26.62	87·3	.0569	.7180	18.38.5	B	5 12 ,,
2	23.677	20.24	85.7	26.75	86.8	.0588	·7215	18.39.6	B	6 12 ,,
3	24.090	20.14	85.3	26.80	86.5	.0571	·7210	18.39.7	B	7 12 ,,
4	24.159	20.03	85.1	26.79	86.2	.0553	.7219	18.40.2	B	8 12 ,,
5	24.090	19.91	85.0	26.80	86.1	.0533	.7210	18.40.2	C	9 12 ,,
6	24.159	19.92	84.9	26.77	85.9	.0534	.7217	18.40.5	C	10 12 ,,
7	24.090	19.96	84.4	26.82	85.8	.0541	.7212	18.40.1	C	11 12 ,,
8	24.159	20.04	84.0	26.84	85.4	.0555	.7214	18.39.9	C	Midnight.
9	24.363	20.07	84.0	26.95	85.0	.0560	·7217	18.40.1	R	1 12 a. m.
10	24.502	20.10	83.6	26.89	84.7	.0564	.7211	18.39.8	R	2 12 ,,
11	24.502	20.08	83.5	26.84	84.5	.0561	.7214	18.39.9	R	3 12 ,,
12	24.159	20·14	83.0	26.72	84.0	.0571	.7211	18.39.7	R	4 12 ,,
13	23.816	20.15	83.1	26.77	84.1	.0572	·7217	18.40.0	B	5 12 ,,
14	23.816	20.24	83.0	26.88	84.2	.0588	.7219	18.39.7	B	6 12 ,,
15	24.639	20.22	82.9	27.01	84.2	.0584	.7223	18.40.1	B	7 12 ,,
16	25.460	20.55	83.1	26.84	84.1	.0638	.7214	18.38.9	B	8 12 ,,
17	25.669	20.92	84.0	26.64	84.5	.0698	.7182	18.36.8	C	9 12 ,,
18	24.776	21.52	85.4	46·37	85.0	.0797	.7153	18.34.5	C	10 12 ,,
19	23.130	21.78	86.3	26.27	85.8	.0840	.7142	18.33.5	C	11 12 ,,
20	22.854	21.64	86.9	26.43	86·4	.0817	.7159	18.34.4	C	Noon.
21	22.718	21.38	87.0	26.41	87.0	.0774	.7157	18.35·1	R	1 12 p. m.
22	24.707	21.23	88.0	26.34	87.9	.0750	·7149	18.34.9	R	2 12 ,,
23	24.707	20.86	88·0	26.34	88.0	.0689	·7149	18·35.7	R	3 12 ,,
Oct. 22nd-Noon.	25.120	20.64	87.7	26.24	88.0	.0653	.7134	18.35.6	R	4 12 ,,
1	24.502	20.42	86.7	27.53	87.7	.0617	·7291	18.42.1	B	5 12 ,,
2	23.816	20.37	86.1	27.55	87.0	.0609	.7294	18·42·4	B	6 12 ,,
3	23.884	20.17	85.9	27.62	86.6	.0576	.7321	18.43.9	B	7 12 ,,
4	23.953	20.04	85.3	27.52	86.5	·0555	.7290	18.42·9	B	8 12 ,,
5	24.159	20.00	85.0	27.45	86.3	.0548	.7283	18.42.7	C	9 12 ,,
6	24.021	19.93	84.9	27.48	86.0	.0536	·7286	18.43.0	C	10 12 ,,
7	24.090	20.06	84.8	27·53	85.9	.0553	.7291	18.42.9	C	11 12 ,,
8	24.159	20.03	84.5	27.58	85.9	.0553	.7297	18.43·3	C	Midnight.
9	24.159	19.99	84.1	27.55	85.0	.0546	.7294	18.43.1	R	1 12 a. m.
10	24.432	20.10	84.0	27.55	85.0	.0564	.7294	18.43.0	R	2 12 ,,
11	24.159	20.17	84.0	27.54	84.7	.0576	.7292	18.42.7	R	3 12 ,,

DAILY OBSERVATIONS, FROM 22ND TO 24TH OCTOBER 1860.

DATE. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. — In English Units.	Absolute Vertical Force. — In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1860.
h.										h. m.
OCT. 22ND—12	'24·090	20.12	83°7	27.54	84°5	8.0567	2.7292	18°42'8	R	4 12 a. m.
13	24.226	20.20	83.5	27.64	84.5	.0581	.7313	18.43.5	B	5 12 „
14	23.609	20.22	83·5	27.69	84.5	.0584	.7329	18.44.2	B	6 12 „
15	24.432	20.24	83.6	27.79	84.4	.0588	.7331	18.44.1	B	7 12 „
16	24.639	20.70	84.5	27.69	84.6	·0663	.7329	18.43.1	B	8 12 „
17	23·884	21.20	85.3	27.53	85.0	.0745	.7280	18.40.0	C	9 12 „
18	22.581	21.65	86.3	27.44	85.9	.0818	.7270	18.38.7	C	10 12 „
19	22.021	21.90	87.2	27.50	86.8	.0859	.7277	18.38.5	C	11 12 „
20	22.649	21.77	87.6	27.59	87.0	.0839	.7287	18·39.2	C	Noon.
21	23.130	21.54	88.0	27.52	87.4	.0801	.7279	18.39.3	R	1 12 p. m.
22	23.884	21.09	88.3	27.44	88.0	.0727	.7270	18·39.9	R	2 12 „
23	24.502	20.72	88.3	27.34	88.0	.0666	.7259	18.40.3	R	3 12 „
OCT. 23RD—Noon.	24.846	20.37	87.9	27.16	88.5	.0609	.7240	18.40.4	R	4 12 „
1	23.816	20.35	87.3	27.01	88.5	.0605	.7223	18.39.7	B	5 12 „
2	23.677	20.37	86.9	27.08	87.8	.0609	.7231	18.40.0	B	6 12 „
3	23.816	20.23	86.6	27.15	87.5	.0586	.7239	18.40.5	B	7 12 „
4	24.021	20.18	86·5	27.14	87.3	.0577	.7237	18.40.7	B	8 12 „
5	24.090	20.06	86.0	27.09	87·1	.0558	.7232	18.40.6	C	9 12 „
6	23.816	20.18	86.0	26.66	87.0	.0577	.7185	18.38.6	C	10 12 „
7	24.021	20.24	85.8	26.65	86.8	.0588	·7184	18.38.3	C	11 12 „
8	24.090	20.26	85.9	26·80	86.8	.0591	.7210	18.39.4	C	Midnight.
9	24.021	20.17	85.4	26.74	86.2	.0576	.7213	18·39.6	R	1 12 a. m.
10	24.159	20.24	85.2	26.78	86.0	.0588	.7218	18.39.5	R	2 12 „
11	24.159	20.25	85.0	26.78	86.0	.0589	.7218	18.39.7	R	3 12 „
12	24.021	20.16	84.8	26.77	85.6	.0574	.7217	18.40.0	R	4 12 „
13	24.159	20.22	84.6	26.71	85.4	.0584	.7210	18.39.5	B	5 12 „
14	23.816	20.26	84.2	26.76	85.2	.0591	.7216	18.39.6	B	6 12 „
15	24.776	20.37	84.3	26.91	85.3	.0609	.7212	18.39.2	B	7 12 „
16	25.463	20.81	85.0	26.89	85.6	.0681	.7220	18.38.7	B	8 12 „
17	25.326	21.04	85.8	26.68	86.0	.0719	.7187	18.36.8	C	9 12 „
18	24.983	21.43	87.1	26.61	86.9	·0783	.7179	18.35.7	C	10 12 „
19	24.295	21.65	87.8	26.61	87.8	.0818	.7179	18·35.1	C	11 12 „
20	23.816	21.62	89.0	26.50	88.6	.0813	.7167	18.34.9	C	Noon.
21	23.267	21.41	89.4	26.47	88.9	.0780	.7164	18.35.1	R	1 12 p. m.
22	23.335	21.19	89.6	26.32	89.0	.0743	.7147	18.35.1	R	2 12 „
23	23.540	20.99	89.5	26.29	89.5	.0710	.7144	18.35.3	R	3 12 „
OCT. 24TH—Noon.	23.677	20.88	88.9	26.19	89.5	.0692	.7133	18.35.1	R	4 12 „
1	23.746	20.71	88.1	26.23	89.2	.0664	.7137	18.35.7	B	5 12 „
2	23.404	20·45	87.5	26.38	88.5	.0622	.7154	18·36.8	B	6 12 „
3	23·884	20.36	87.3	26.35	88.2	.0607	.7151	18·36.9	B	7 12 „
4	23.816	20.33	87.1	26.29	88.0	.0602	.7144	18.36.7	B	8 12 „
5	23.021	20.24	86.9	26.24	88.0	.0588	.7138	18.36.6	C	9 12 „
6	24.295	20.30	86.4	26.35	87.6	·0597	.7151	18.37.0	C	10 12 „
7	24.363	20.24	86.0	26.34	87·4	.0588	.7149	18.37.0	C	11 12 „
8	24·884	20.39	85.7	26.36	87.2	.0612	.7152	18.36.9	C	Midnight.
9	23.884	20.41	85.9	26.41	87.0	.0616	.7157	18.37·0	R	1 12 a. m.
10	23.159	20.41	85.8	26.20	86.5	.0616	.7134	18.36.0	R	2 12 „
11	24.816	20.31	85.0	26.30	86.5	.0599	.7145	18.36.8	R	3 12 „
12	23.404	20.38	85.4	26.30	86.5	.0610	.7143	18.36.6	R	4 12 „
13	23.746	20.31	85.2	26.39	86.3	.0599	.7155	18.37.2	B	5 12 „
14	23.502	20.48	85.0	26.34	86.0	.0627	.7149	18.36.5	B	6 12 „
15	24.875	20.50	85.0	26.50	86.0	·0630	·7167	18.37.2	B	7 12 „
16	25.806	20.83	85.5	26·48	86.0	.0684	.7165	18.36.5	B	8 12 „
17	25·914	21·42	87.1	26.20	86.5	·0781	.7134	18.34.0	C	9 12 „
18	24.363	21.64	88.0	25.94	87.2	.0817	.7105	18.32.3	C	10 12 „
19	24.432	21.80	89.0	25.94	88.0	·0848	.7105	18.31.9	C	11 12 „
20	24.295	21.91	89.8	26.16	88.7	.0861	.7130	18.32·8	C	Noon.
21	24.295	21.29	89.4	25.98	88.6	.0760	.7110	18.33.3	R	1 12 p. m.
22	23.953	21·02	89.6	25.87	89.1	.0715	.7098	18.33.3	R	2 12 „
23	24.090	20.78	89.5	25.87	89.6	.0676	.7098	18.33.9	R	3 12 „

On the 22nd, at about 19h. 45m., Dip as obtained by Observation was 18°45'7.

DAILY OBSERVATIONS, FROM 25TH TO 28TH OCTOBER 1860.

DATE. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. — In English Units.	Absolute Vertical Force. — In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1860.
h.								° ′		h. m.
Oct. 25th-Noon.	23·884	20.66	89·0	25.71	89·5	8.0656	2.7080	18°33′4	B	4 12 p. m.
1	23.130	20.63	88.3	25.63	89.4	·0651	.7071	18.33.1	C	5 12 ,,
2	23.267	20·57	87.6	25.84	88.7	.0642	.7094	18.34.2	C	6 12 ,,
3	24.021	20.36	87.0	25.93	88.0	.0607	.7104	18.35.0	R	7 12 ,,
4	23.953	20.26	87.0	26.04	88·0	.0591	.7116	18.35.7	R	8 12 ,,
5	23.816	20.30	87.0	26.01	87.8	.0597	.7113	18.35·5	B	9 12 ,,
6	23·953	20.19	86.9	26.05	87.7	.0579	.7118	18.36.0	B	10 12 ,,
7	24.226	20.07	86.5	26.17	87.6	.0560	·7131	18.36.7	C	11 12 ,,
8	24.502	20·27	86.2	26.20	87.4	.0593	.7134	18.36.4	C	Midnight.
9	24.639	20.15	86.0	26.21	87.0	.0572	·7135	18.36.8	R	1 12 a. m.
10	24·363	20.18	85.7	26.21	87.0	.0577	.7135	18.36.7	R	2 12 ,,
11	24.159	20.19	85.5	26.10	86.5	.0579	.7134	18.36.6	R	3 12 ,,
12	24.090	20.13	85.0	25.78	86.0	.0569	.7088	18.34.7	R	4 12 ,,
13	24.159	20.05	84.7	25.86	86.1	.0556	.7097	18.35.2	B	5 12 ,,
14	24.021	20.17	84·5	25.74	85·9	·0576	·7083	18·34.4	B	6 12 ,,
15	24.639	20.14	84.9	26.06	85.9	.0571	.7119	18.36.8	B	7 12 ,,
16	25·120	20.68	86·0	25·99	86.4	·0659	.7111	18.34.6	B	8 12 ,,
17	25.257	21.18	87.2	25.75	86.9	.0741	.7085	18.32.6	C	9 12 ,,
18	23.884	21.43	87.9	25.55	87.4	.0783	.7063	18.32.2	C	10 12 ,,
19	22.374	21.58	88.5	25.62	88.0	.0807	.7070	18.31.1	C	11 12 ,,
20	22.374	21.53	89.6	25.64	88.6	.0799	.7078	18.31.2	C	Noon.
21	23.130	21.05	90.3	25.75	89.3	.0720	.7085	18.32.8	R	1 12 p. m.
22	24.021	20.58	90.7	25.74	90.0	.0643	.7083	18.33.8	R	2 12 ,,
23	24.914	20.33	90.8	25.75	90.3	.0602	.7085	18.34.4	R	3 12 ,,
Oct. 26th-Noon.	24.846	20.42	90.4	25.46	90.5	.0617	.7053	18·32.9	R	4 12 ,,
1	24.295	20.37	89.8	25.41	90.3	.0609	.7047	18.32.9	B	5 12 ,,
2	23.540	20.29	88·9	25.44	89.7	.0596	.7050	18.33.1	B	6 12 ,,
3	23.816	19.77	88.3	25.53	89.4	.0511	.7060	18.34.4	B	7 12 ,,
4	23.884	19.67	88.0	25.52	89.1	.0494	.7059	18.34.8	B	8 12 ,,
5	24.159	19.85	87.8	25.55	88.9	.0523	.7063	18.34.3	C	9 12 ,,
6	24.090	20.05	87.2	25·68	88.5	.0556	.7077	18.34.4	C	10 12 ,,
7	24.226	20.11	87.0	25.74	88.0	.0566	.7083	18.34.5	C	11 12 ,,
8	24.295	20.17	86.8	25.51	88.0	.0576	.7058	18.33.6	C	Midnight.
9	24.226	20.22	86.5	25.53	87.5	.0584	.7060	18.33·5	R	1 12 a. m.
10	24.295	20.26	86·4	25.52	87.4	·0591	.7059	18.33.3	R	2 12 ,,
11	24.159	20.03	86.0	25·61	87.0	·0553	.7069	18.34.1	R	3 12 ,,
12	23.746	20.06	85.9	25.71	87.0	.0558	.7080	18.34.5	R	4 12 ,,
13	23.677	20.14	85.8	25.73	87.0	.0571	.7082	18.34.4	B	5 12 ,,
14	23.540	20·22	85.4	25.80	86.7	.0584	.7090	18.34.7	B	6 12 ,,
15	24.914	20.04	85.5	25.85	86.6	.0555	.7096	18.35.1	B	7 12 ,,
16	25.806	20.42	86.2	25.80	86.8	.0617	·7090	18.34.3	B	8 12 ,,
17	25.326	20.74	87.4	25.50	87.5	.0670	.7058	18.32.5	C	9 12 ,,
18	24·159	21.14	88.3	25.14	88.0	.0735	.7017	18.30.0	C	10 12 ,,
19	23·335	21.30	89.0	25.40	88.6	.0761	.7046	18·30.8	C	11 12 ,,
20	23·953	21.16	89.4	25.57	89.0	.0738	.7065	18.30.8	C	Noon.
21	24.776	20.89	89·5	25.57	89.0	.0694	.7065	18.32.4	R	1 12 p. m.
22	25.394	20.61	89.8	25.59	89.5	.0648	.7067	18.32.9	R	2 12 ,,
23	25.189	20.52	90.0	25.40	90.0	.0633	.7046	18.32.5	R	3 12 ,,
Oct. 28th-Noon.	25.600	19.77	89.6	25.32	90·1	.0511	.7037	18.33.6	B	4 12 ,,
1	23·884	19.62	88.9	25.15	90.0	.0485	.7019	18.33.2	B	5 12 ,,
2	23.884	19.48	88.0	25.28	89.4	.0463	.7033	18.34.2	B	6 12 ,,
3	24.226	19.68	87.5	25.32	88.9	·0495	.7044	18.33.9	B	7 12 ,,
4	24.226	19.66	87.2	25.30	88.5	.0492	.7035	18.33·9	B	8 12 ,,
5	24.021	19.77	87.0	25.30	88.2	.0511	.7035	18.33.5	C	·9 12 ,,
6	24.295	19.74	86.9	25.39	88·0	.0506	.7045	18.33.9	C	10 12 ,,
7	24.226	20.01	86.7	25.47	87.4	.0550	.7054	18.33.6	C	11 12 ,,
8	24.432	19.97	86.5	25.50	87.2	.0541	.7057	18.34.0	C	Midnight.
9	24.502	19.97	86.5	25.51	87.0	.0543	.7058	18.34.0	R	1 12 a. m.
10	24.363	20.00	86.2	25.54	87.0	.0548	.7061	18.33.8	R	2 12 ,,
11	24.363	20.05	86.3	25·55	86.5	.0556	.7063	18.33.8	R	3 12 ,,

On the 25th, at about 19h. 30m., Dip as obtained by Observation was 18°42′2.
On the 26th, at about 19h. 35m., Deflection Observations were taken.

DAILY OBSERVATIONS, FROM 28TH TO 30TH OCTOBER 1860.

Date. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1860.
h.										h. m.
Oct. 28th 12	24·363	20.04	85·8	25.19	86·4	8.0555	2.7023	18°32'3	R	4 12 a.m.
13	24.226	20.07	85.3	25.19	86.4	.0560	.7023	18.32.3	B	5 12 „
14	24.295	20.07	85.1	25.21	86.2	.0560	·7025	18.33.4	B	6 12 „
15	25.532	20.20	85.0	25.21	86.2	.0581	.7025	18.32.2	B	7 12 „
16	25.669	20.54	85.5	25.23	86.2	.0637	.7027	18.31.7	B	8 12 „
17	25.669	20.87	86.8	24.87	86.9	.0691	.6988	18.29.4	C	9 12 „
18	24.707	21.09	88.0	24.89	87.6	.0727	.6990	18.29.0	C	10 12 „
19	23.816	21.19	88.9	24.64	88.0	.0743	.6962	18.27.7	C	11 12 „
20	23.130	21.09	89.0	24.75	88·3	·0727	·6975	18.28.6	C	Noon.
21	24.159	20.86	89.5	24.97	88.9	.0689	.7099	18.33.9	R	1 12 p.m.
22	25.189	20.53	89.0	24.89	89.0	.0635	.6988	18.30.1	R	2 12 „
23	25.257	20.55	89.2	24.68	89.2	.0638	.6967	18.29.3	R	3 12 „
Oct. 29th-Noon.	24·776	20.10	89.0	24·47	89·5	.0564	.6944	18.29.2	R	4 12 „
1	24.159	20.21	88.1	24.42	89.1	.0583	.6938	18.28.8	B	5 12 „
2	23.953	20.09	87.2	24.66	88.5	.0563	.6965	18.30.0	B	6 12 „
3	24.295	20.01	87.0	24.75	88.2	.0550	·6975	18.30.5	B	7 12 „
4	24.776	19.52	86.5	24.74	87.4	.0469	.6973	18.31.7	B	8 12 „
5	25.257	19.67	86.5	24.76	87.4	.0494	.6976	18.31.5	C	9 12 „
6	25.875	19.23	86.0	24·78	87·2	.0422	.6978	18.32.5	C	10 12 „
7	26.698	19.02	85.9	25.00	87.1	.0387	.7002	18.33.8	C	11 12 „
8	27.041	18.14	85.5	24.96	87.0	.0243	.6997	18.35.7	C	Midnight.
9	25.669	18.74	85.5	24.90	86.5	.0342	.6991	18.34.1	R	1 12 a.m.
10	25.189	19.04	85.5	24.94	86.2	.0391	.6995	18.33.6	R	2 12 „
11	24.914	19·05	85·3	25.18	86·0	.0392	.7022	18.34.6	R	3 12 „
12	24.846	19·05	85.0	24.98	86.0	.0392	.7000	18.33.8	R	4 12 „
13	24.432	19.16	84.9	25.03	86.0	.0410	.7005	18.33.8	B	5 12 „
14	25.189	19.24	84.6	25.09	85·6	·0424	.7012	18.33.8	B	6 12 „
15	26·012	19.46	84.6	24.99	85.6	.0460	.7001	18.32.9	B	7 12 „
16	25.394	19.91	84.7	24.97	85.6	.0533	.6999	18.31.7	B	8 12 „
17	24.776	20.27	85.4	24.93	85.9	.0593	.6994	18.30.9	C	9 12 „
18	24.295	20.50	86.4	24.69	86.2	.0630	.6968	18.29.4	C	10 12 „
19	23.609	20.58	87.0	24.75	86.9	.0643	.6975	18.29.6	C	11 12 „
20	23.335	20.43	87.4	24.89	87.2	.0619	.6990	18.30.4	C	Noon.
21	24.502	20.18	87.5	24·88	87.5	.0577	·6989	18.30.7	R	1 12 p.m.
22	25·051	19.83	87.8	24.74	87.9	.0520	.6973	18.30.8	R	2 12 „
23	24.846	19.64	88.0	24.59	88.0	.0489	.6957	18.30.9	R	3 12 „
Oct. 30th-Noon.	24.502	19.45	87.6	24.60	88.3	.0458	.6958	18.31.3	R	4 12 „
1	24.707	19.31	87·2	24.58	87.8	·0435	.6956	18.31.6	B	5 12 „
2	24.432	19.12	86.2	24.72	87.4	.0403	.6971	18.32.5	B	6 12 „
3	25.120	18.99	85.5	24·76	87.1	·0382	.6976	18.33.0	B	7 12 „
4	25.943	19.06	85.4	24.85	86.8	.0394	.6986	18.33.2	B	8 12 „
5	24 983	19.00	85.1	24.76	86.7	.0384	.6976	18.33.0	C	9 12 „
6	25.120	19.05	85.0	24.82	86.5	.0392	.6982	18.33.0	C	10 12 „
7	25.394	19.23	84.9	24.88	86.0	.0430	.6989	18.32.8	C	11 12 „
8	25.189	19.36	84·5	25·18	85.9	.0443	.7022	18.34.0	C	Midnight.
9	25.189	19.54	84.3	25.26	85.4	.0473	·7031	18.34.0	R	1 12 a.m.
10	25·257	19.38	84.0	25.25	85.0	.0446	·7030	18.34.2	R	2 12 „
11	25.051	19·42	84.0	25.37	85.0	.0453	·7043	18.34.7	R	3 12 „
12	24.846	19.43	83.5	24.99	84.5	.0455	·7001	18.32.9	R	4 12 „
13	24.432	19.84	83.3	24.95	84·3	.0522	·6997	18.31.8	B	5 12 „
14	25.257	19·74	83.0	25.04	84.1	.0506	·7006	18.32.3	B	6 12 „
15	24.432	19.77	82.9	25.13	83·8	.0511	·7016	18.32.7	B	7 12 „
16	24.895	20.22	83.1	25.04	84.1	·0584	·7006	18.31.4	B	8 12 „
17	20.335	20.44	84.1	25.12	84.5	.0621	·7015	18.31.4	C	9 12 „
18	22.991	20.61	85.4	24.90	85.0	.0648	.6991	18.30.0	C	10 12 „
19	21.895	20.70	86.2	24.96	85.9	.0663	.6998	18.30.2	C	11 12 „
20	23.060	20.57	86.7	25·05	86.2	.0642	.7008	18.30.9	C	Noon.
21	24.159	20.43	87.1	25.00	86.7	.0619	.7002	18.30.8	R	1 12 p.m.
22	24.846	20.20	87.5	25.00	87.3	.0581	.7002	18.31.2	R	2 12 „
23	25.257	20.02	87.5	24.83	87.6	·0551	.6983	18.30.8	R	3 12 „

On the 29th, at about 19h. 30m., Dip as obtained by Observation was 18°43'8.

DAILY OBSERVATIONS, FROM 31ST OCTOBER TO 2ND NOVEMBER 1860.

Date. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1860.
h.										h. m.
Oct. 31st-Noon.	24·090	19.94	87·0	24.64	88·0	8.0538	2.6962	18°30'1	R	4 12 p. m.
1	23.540	19.88	86.9	24.65	87.6	.0528	.6964	18.30.3	B	5 12 „
2	24.159	19.93	86.0	24.86	87.0	.0536	.6987	18.31.2	B	6 12 „
3	24.983	19.51	85.4	24.82	86.5	.0468	.6982	18.32.0	B	7 12 „
4	24.914	19·26	85.1	24.78	86.1	·0427	.6978	18.32.4	B	8 12 „
5	24.707	19.38	84.9	24.78	86.0	.0446	.6978	18.32.1	C	9 12 „
6	24.570	19.46	84.5	24.90	85.9	.0460	.6990	18·32.5	C	10 12 „
7	24.432	19.80	84.0	24.97	85.7	.0515	.6999	18.31.8	C	11 12 „
8	24.570	19.82	83.9	25.00	85.0	.0518	.7002	18.31.9	C	Midnight.
9	24.846	19·83	83.5	25.04	84.7	.0520	.7006	18.32·2	R	1 12 a. m.
10	25.257	19.81	83.3	25.06	84.4	.0517	.7009	18.32.2	R	2 12 „
11	24.502	19.83	83.5	25.12	84.0	.0520	.7015	18·32.5	R	3 12 „
12	24.295	19.88	83.5	25.22	84·0	.0528	.7026	18.32.8	R	4 12 „
13	24.639	19·89	83.1	25.32	84.0	.0530	·7037	18.33.3	B	5 12 „
14	25.051	19.85	82.8	25.31	83·6	.0523	.7036	18.33.3	B	6 12 „
15	25.875	19.85	82.5	25.22	83.4	.0523	.7026	18.32.9	B	7 12 „
16	24.639	20.38	·82.9	25.00	83.4	.0610	.7002	18.31.0	B	8 12 „
17	23.473	20.66	83.9	24.97	84.0	.0656	.6999	18.30.2	C	9 12 „
18	23.267	20.84	84.8	24.85	84.5	.0686	.6986	18.29·3	C	10 12 „
19	22.444	21.13	86.0	24.73	85.0	.0733	.6972	18.28.2	C	11 12 „
20	22.374	21.12	86.4	24·87	85.6	.0731	.6988	18.28.9	C	Noon.
21	23.540	20.93	87.0	24.90	86.0	·0700	.6991	18.29.4	R	1 12 p. m.
22	24.295	20.74	87·4	24.75	86.7	.0670	.6975	18.29.2	R	2 12 „
23	24.707	20.60	87.5	24.60	87.0	.0646	.6958	18.28.8	R	3 12 „
Nov. 1st-Noon.	24.983	20.39	87.0	24.53	87.5	.0612	.6950	18.29.1	R	4 12 „
1	24.295	20.25	86.5	24.52	87.2	.0589	.6949	18.29.0	B	5 12 „
2	23.953	20.05	85.8	24.75	86.5	.0556	.6975	18.30.4	B	6 12 „
3	24.159	20.00	85.4	24.90	86.1	.0548	.6991	·18.31.1	B	7 12 „
4	24.295	19.99	85.0	24.79	85.8	.0546	.6979	18.30.6	B	8 12 „
5	24.159	19.91	84.8	24.82	85.8	.0533	.6982	18.31.0	C	9 12 „
6	24.226	19.83	84.6	24.91	85.5	.0512	.6992	18.31.5	C	10 12 „
7	24.707	20.09	84.1	24.99	85.4	.0563	.7001	18.31·4	C	11 12 „
8	24.846	19.94	83.6	25.09	85·1	.0538	.7012	18.32.1	C	Midnight.
9	25.051	19.82	83.7	25.13	84.1	.0518	.7013	18.32·4	R	1 12 a. m.
10	25.051	19.90	83.5	25·12	84.0	.0531	.7015	18·32.4	R	2 12 „
11	24.846	19.81	83.1	25.21	83.7	.0517	.7025	18.32.9	R	3 12 „
12	24.570	19.74	83.0	25.31	83.5	.0506	.7036	18.33.5	R	4 12 „
13	24.707	19.72	82.6	25.36	83.5	.0502	·7042	18.33.8	B	5 12 „
14	24.707	19.78	82.1	25·39	83.1	.0512	.7045	18.33.9	B	6 12 „
15	25.943	19.87	82.0	25.64	83.0	.0527	.7072	18.34.5	B	7 12 „
16	25.806	20.43	82.6	25.41	83.1	.0619	.7047	18.32·7	B	8 12 „
17	25.326	20.78	83.2	25.28	83.4	.0676	.7033	18.31.4	C	9 12 „
18	24.432	21.24	84.8	24.92	84.0	.0752	.6993	18.28.8	C	10 12 „
19	22.374	21.62	85.6	24.60	85.0	.0813	.6958	18.26.8	C	11 12 „
20	22.717	21.32	86.2	24.92	85.6	·0764	.6993	18.28.7	C	Noon.
21	23.198	21.26	87.0	24.98	86.0	.0755	.7000	18.29.0	R	1 12 p. m.
22	24.295	20.95	87.7	24.90	86.8	.0703	.6991	18.29.4	R	2 12 „
23	25.051	20.51	88.2	24.90	87.3	.0632	.6991	18·30.3	R	3 12 „
Nov. 2nd-Noon.	25.257	20.20	87.6	24.75	87.5	.0531	.6975	18.30.2	R	4 12 „
1	25.051	20.05	86.8	24.75	87·5	.0556	.6975	18.30.4	B	5 12 „
2	24.570	19·59	86.0	24.85	86.8	.0481	·6986	18·32.1	B	6 12 „
3	25.600	19.05	85.6	25.01	86.4	.0392	.7003	18.33.9	B	7 12 „
4	25.326	19.05	85.1	25.04	86·2	.0392	.7006	18.34.0	B	8 12 „
5	25.463	19.02	84.1	25.05	85.6	.0387	·7008	18.34.1	C	9 12 „
6	26.149	19.04	83.2	25.18	85.1	.0391	.7022	18.34.6	C	10 12 „
7	26.218	18.63	83.5	25.24	84.6	.0323	.7028	18.35.8	C	11 12 „
8	26.218	19·37	83.3	25·22	84.1	0445	.7026	18.34.0	C	Midnight.
9	25.875	19.41	83.0	25.22	84.0	.0452	.7026	18.34.0	R	1 12 a. m.
10	25.257	19.40	82.8	25.31	83.4	.0450	·7036	18.34.4	R	2 12 „
11	25·326	19.30	82.5	25.34	83.4	.0433	.7039	18.34.8	R	3 12 „

On the 1st, at about 19h. 45m., Dip as obtained by Observation was 18°39'0.

DAILY OBSERVATIONS, FROM 2ND TO 5TH NOVEMBER 1860.

DATE. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1860.
h.										h. m.
Nov. 2ND—12	25·051	19.48	82·4	25.39	83·0	8.0463	2.7045	18°34′7	R	4 12 a. m.
13	24.776	19.37	81.9	25.34	83.0	.0445	.7039	18.34.5	B	5 12 „
14	24.363	19.42	80.9	25.35	82.4	.0453	.7041	18.34.6	B	6 12 „
15	24.914	19.56	81.1	25.46	82.1	.0476	.7053*	18.34.8	B	7 12 „
16	25.875	19.94	81.6	25.39	82.1	.0538	.7045	18.33.5	B	8 12 „
17	25.943	19.86	82.3	25.23	82.8	.0525	.7027	18.32.9	C	9 12 „
18	24.502	20.57	84.0	28.94	83.2	.0642	·6995	18.30.4	C	10 12 „
19	23.130	20.75	85.3	24.72	84.0	.0670	.6971	18.29.5	C	11 12 „
20	23.060	20.97	86.5	24.52	84.9	.0707	.6966	18.28.3	C	Noon.
21	24.295	20.51	87.5	24.70	86.0	.0632	.6978	18.29.8	R	1 12 p. m.
22	24.502	20.27	87.9	24.58	87.6	.0693	.6956	18.29.3	R	2 12 „
23	24.846	20.10	88·4	24.60	87.5	.0564	.6958	18.29.8	R	3 12 „
Nov. 4TH-Noon.	25·394	20·56	87.0	24.95	87.2	.0640	.6997	18.30.5	R	4 12 „
1	24.570	20.38	86.4	24.89	86.9	·0610	.6990	18.30.6	R	5 12 „
2	24.432	20.27	85.5	24.96	86.0	.0593	.6998	18.30.9	R	6 12 „
3	24.639	20.08	85.0	24.99	85.5	·0561	.7001	18.31.4	R	7 12 „
4	24.502	20.07	84.7	24.97	85.0	.0560	.6999	18.31.3	R	8 12 „
5	24.639	19.96	83.9	25.39	84.9	.0541	·7045	18.30.5	B	9 12 „
6	24.707	20.05	83.2	25.48	84.2	.0556	.7055	18.31.6	B	10 12 „
7	24.816	20.18	83.1	25.64	84.1	·0577	.7072	18.33.9	B	11 12 „
8	25.051	20.09	82.6	25.61	83.6	.0563	.7069	18.34.0	B	Midnight.
9	25.189	20.13	82.1	25.68	83.4	.0569	.7077	18.34.3	C	1 12 a. m.
10	25.051	20.30	82.5	25.78	83.2	.0597	.7088	18.34.5	C	2 12 „
11	25.394	19.96	82.3	25.77	83.0	·0541	.7087	18.35.1	C	3 12 „
12	25.875	19.86	82.0	25.84	82.9	.0525	.7094	18.35.4	C	4 12 „
13	25.189	20.12	81.5	25.86	82.0	.0567	.7086	18.34.6	R	5 12 „
14	26.218	19.72	81.2	26.01	82.0	.0502	.7113	18.36.8	R	6 12 „
15	26.012	19.33	81.0	26.02	81.7	.0438	.7114	18.37.6	R	7 12 „
16	27.247	19.64	81.9	25.96	81.9	.0489	.7108	18.36.7	R	8 12 „
17	25.532	19.98	82.9	25.63	82.5	.0544	.7071	18.34.4	B	9 12 „
18	24.983	20.33	84.6	25.43	83.5	.0602	.7049	18.33.0	B	10 12 „
19	24.707	20.65	85.9	25.45	84.4	.0654	.7052	18.32.4	B	11 12 „
20	25.532	20.65	86.9	25.51	85.2	.0654	.7058	18.32.7	B	Noon.
21	27.178	20.27	87.6	25.63	86.1	.0593	.7071	18.33.7	C	1 12 p. m.
22	26.286	20.35	88.6	25.36	87.0	.0605	.7042	18.32.6	C	2 12 „
23	25.669	20.13	88.4	25.28	87.6	.0569	.7033	18.32.6	C	3 12 „
Nov. 5TH-Noon.	25.463	19.85	87.5	25.28	87.6	.0523	.7033	18.33.2	C	4 12 „
1	24.502	19.92	86.6	25.31	87.0	.0534	.7025	18.32.8	R	5 12 „
2	24.226	19.71	85.6	25.38	86.1	.0501	.7044	18.33.9	R	6 12 „
3	24.846	19.60	85.0	25.47	85.6	.0482	.7054	18.34.8	R	7 12 „
4	24.846	19.71	84.8	25.46	85.4	.0501	.7053	18.34.3	R	8 12 „
5	24.707	19.61	84.5	25.51	85.2	.0484	.7058	18.35.0	B	9 12 „
6	24.914	19.54	84.1	25.57	84.9	.0473	.7065	18.35.3	B	10 12 „
7	25.189	19.73	83.5	25.63	84.2	.0504	.7071	18.34.9	B	11 12 „
8	25.326	19.66	82.5	25.71	83.5	.0492	.7080	18.35.6	B	Midnight.
9	25.326	19.71	82.3	25.72	83.4	.0501	.7081	18.35.3	C	1 12 a. m.
10	25.257	19.82	82.2	25.77	83.1	.0518	·7087	18.35.3	C	2 12 „
11	25.326	19.78	82.0	25.81	82.9	.0512	.7091	18.35.6	C	3 12 „
12	24.363	19.86	81.6	25.83	82.7	.0525	.7093	18.35.4	C	4 12 „
13	25.326	19.87	81.5	25.86	82.0	.0527	.7097	18.35.6	R	5 12 „
14	24.983	19.83	81.0	25.86	82.0	.0520	.7097	18.35.7	R	6 12 „
15	24.914	19.92	80.9	26.01	82.0	.0534	.7113	18.36.4	R	7 12 „
16	24.983	20.16	81.9	25.94	82.2	.0574	.7105	18.35.6	R	8 12 „
17	25.943	20.70	83.1	25.91	82.9	.0663	.7102	18.34.2	B	9 12 „
18	25.600	21.05	84·4	25.72	83.4	.0720	.7081	18.32.6	B	10 12 „
19	24.639	21.14	85.3	25.46	84.1	.0735	·7053	18.31.4	B	11 12 „
20	25.051	21.18	86.3	25.43	85.1	.0741	.7049	18.31·2	B	Noon.
21	25.600	21.01	87.0	25.34	86.1	.0714	.7039	18.31.2	C	1 12 p. m.
22	25.394	20.83	87.8	25.23	87·0	.0684	·7027	18.31.4	C	2 12 „
23	25.600	20.77	88.6	25.18	87.7	.0675	.7022	18.31.9	C	3 12 „

* On the 2nd, at about 20h. 30m., Deflection Observations were taken.

DAILY OBSERVATIONS, FROM 6TH TO 8TH NOVEMBER 1860.

Date. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1860.
h.	°									h. m.
Nov. 6th-Noon.	25'120	20.51	87°6	25.23	87°5	8.0632	2.7027	18°31'9	C	4 12 p. m.
1	24.363	20.29	86.5	25.20	86.6	.0596	.7024	18.32.0	R	5 12 ,,
2	24.159	19.99	85.5	25.38	86.0	.0546	.7044	18.33.2	R	6 12 ,,
3	24.846	19.95	85.0	25.47	85.5	.0539	.7054	18.33.8	R	7 12 ,,
4	24.707	19.80	84.6	25.51	85.0	.0515	.7058	18.34.2	R	8 12 ,,
5	24.570	20.12	84.2	25.47	84.9	.0567	.7054	18.33.4	B	9 12 ,,
6	24.846	19.88	83.5	25.62	84.0	.0528	.7070	18.34.5	B	10 12 ,,
7	25.051	19.75	82.2	25.70	83.3	.0507	.7079	18.35.1	B	11 12 ,,
8	24.914	19.90	82.1	25.79	83.0	.0531	.7089	18.35.2	B	Midnight.
9	24.846	19.95	81.1	25.83	82.8	.0539	.7096	18.35.4	C	1 12 a. m.
10	24.846	19.96	80.7	25.94	82.1	.0541	.7105	18.36.0	C	2 12 ,,
11	24.776	20.10	80.9	25.92	81.9	.0564	.7103	18.35.6	C	3 12 ,,
12	24.570	19.92	80.0	25.84	81.2	.0534	.7094	18.35.4	C	4 12 ,,
13	24.295	19.96	79.5	25.82	80.5	.0541	.7092	18.35.2	R	5 12 ,,
14	23.953	20.08	79.5	25.85	80.1	.0561	.7096	18.35.1	R	6 12 ,,
15	24.639	20.12	79.3	26.00	80.0	.0567	.7112	18.35.8	R	7 12 ,,
16	24.914	20.45	80.0	25.95	80.1	.0522	.7107	18.35.0	R	8 12 ,,
17	25.326	20.69	81.1	25.92	80.5	.0661	.7103	18.34.3	B	9 12 ,,
18	25.943	21.15	82.1	25.73	81.5	.0736	.7082	18.32.4	B	10 12 ,,
19	25.051	21.39	83.6	25.48	82.5	.0776	.7055	18.31.0	B	11 12 ,,
20	24.707	21.23	84.3	25.55	83.2	.0750	.7063	18.31.5	B	Noon.
21	25.257	21.02	85.3	25.58	84.2	.0717	.7066	18.32.0	C	1 12 p. m.
22	25.532	20.74	86.0	25.55	85.1	.0670	.7063	18.32.6	C	2 12 ,,
23	25.257	20.76	87.0	25.46	86.0	.0673	.7053	18.32.3	C	3 12 ,,
Nov. 7th-Noon.	25.051	20.57	86.2	25.38	86.1	.0642	.7004	18.32.3	C	4 12 ,,
1	24.159	20.35	85.0	25.44	85.5	.0605	.7050	18.33.0	R	5 12 ,,
2	24.432	20.40	84.6	25.65	85.0	.0614	.7074	18.33.8	R	6 12 ,,
3	24.846	20.26	84.0	25.72	84.1	.0591	.7081	18.34.1	R	7 12 ,,
4	24.776	20.18	83.5	25.67	84.0	.0577	.7076	18.34.1	R	8 12 ,,
5	24.363	20.34	83.0	25.76	83.5	.0604	.7086	18.34.4	B	9 12 ,,
6	24.776	20.18	82.1	25.74	83.0	.0577	.7083	18.34.4	B	10 12 ,,
7	24.846	20.06	81.0	25.94	82.1	.0558	.7105	18.35.7	B	11 12 ,,
8	24.983	20.19	80.8	25.97	81.8	.0579	.7107	18.35.6	B	Midnight.
9	25.532	20.20	80.0	26.04	81.4	.0581	.7116	18.35.9	C	1 12 a. m.
10	25.669	20.38	79.7	26.11	80.9	.0610	.7132	18.36.1	C	2 12 ,,
11	26.286	20.34	79.1	26.23	80.4	.0604	.7137	18.36.5	C	3 12 ,,
12	26.080	20.07	78.8	26.25	79.9	.0560	.7140	18.37.1	C	4 12 ,,
13	24.707	20.05	78.6	26.28	79.3	.0556	.7143	18.37.2	R	5 12 ,,
14	24.983	19.94	78.0	26.27	78.9	.0638	.7142	18.37.4	R	6 12 ,,
15	24.363	19.96	77.8	26.16	78.5	.0541	.7130	18.37.0	R	7 12 ,,
16	25.189	20.30	78.7	26.22	78.5	.0597	.7136	18.36.4	R	8 12 ,,
17	25.326	20.66	79.8	26.10	79.2	.0656	.7132	18.35.4	B	9 12 ,,
18	25.120	21.03	81.3	25.82	80.0	.0717	.7092	18.33.0	B	10 12 ,,
19	24.021	21.31	82.4	25.62	80.8	.0760	.7070	18.31.7	B	11 12 ,,
20	24.159	21.44	83.5	25.71	82.0	.0785	.7080	18.31.7	B	Noon.
21	24.021	21.20	84.0	25.71	82.7	.0745	.7080	18.32.2	C	1 12 p. m.
22	24.846	20.89	84.9	25.75	83.4	.0694	.7085	18.33.2	C	2 12 ,,
23	25.257	20.72	85.2	25.72	84.0	.0666	.7081	18.33.3	C	3 12 ,,
Nov. 8th-Noon.	25.257	20.64	84.9	25.79	84.5	.0653	.7089	18.33.8	C	4 12 ,,
1	24.846	20.44	84.0	25.80	84.0	.0621	.7090	18.34.3	R	5 12 ,,
2	25.051	20.28	83.2	25.99	83.0	.0594	.7111	18.35.5	R	6 12 ,,
3	25.189	20.12	82.5	26.09	82.9	.0567	.7122	18.36.2	R	7 12 ,,
4	24.983	20.20	82.5	25.98	82.5	.0581	.7110	18.35.7	R	8 12 ,,
5	24.707	20.09	81.6	26.09	82.2	.0563	.7122	18.36.3	B	9 12 ,,
6	24.983	20.20	81.1	26.15	81.7	.0581	.7129	18.36.4	B	10 12 ,,
7	25.051	20.19	81.0	26.27	81.5	.0579	.7142	18.36.9	B	11 12 ,,
8	24.846	20.23	80.9	26.32	81.3	.0586	.7147	18.37.0	B	Midnight.
9	24.707	20.19	80.7	26.31	81.1	.0579	.7146	18.37.1	C	1 12 a. m.
10	24.707	20.12	80.1	26.32	80.7	.0567	.7147	18.37.3	C	2 12 ,,
11	24.914	20.07	79.5	26.40	80.1	.0560	.7156	18.37.7	C	3 12 ,,

On the 6th, at about 19h. 30m., Dip as obtained by Observation was 18°38'7.

DAILY OBSERVATIONS, FROM 8TH TO 12TH NOVEMBER 1860.

Date. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1860.
h.										h. m.
Nov. 8TH—12	24·707	20.33	79·0	26.49	79·8	8.0602	2.7166	18°37·5	C	4 12 a. m.
13	24.159	20.33	78.5	26.57	79.0	.0602	.7175	18.37.9	R	5 12 ,,
14	23.816	20.35	78.6	26.57	79.0	.0605	.7175	18.37.8	R	6 12 ,,
15	24.502	20.41	78.0	26.68	78.7	·0616	.7187	18.38.1	R	7 12 ,,
16	25.875	20.92	79.0	26.77	79.0	.0698	.7197	18.37.5	R	8 12 ,,
17	26.423	21.10	80.3	26.64	79.5	.0728	.7182	18.36.4	B	9 12 ,,
18	26·012	21.31	81.8	26.32	80.5	.0763	.7147	18.34.8	B	10 12 ,,
19	25.051	21.47	83.2	26.25	81.5	.0790	.7140	18.34.1	B	11 12 ,,
20	24.846	21.36	84.8	26.13	82.9	.0771	.7125	18·33.7	B	Noon.
21	24.502	21.02	85.5	25.97	83·9	.0715	.7109	18.33.7	C	1 12 p. m.
22	24.090	20.68	86·0	25.94	84.6	.0659	.7105	18.34.4	C	2 12 ,,
23	24.226	20.45	85.7	26.10	84.9	.0622	.7126	18.35.7	C	3 12 ,,
Nov. 9TH-Noon.	24.570	20.16	84.8	26.15	84.9	.0574	.7129	18.36.5	C.	4 12 ,,
1	24.570	20.35	83.8	26.12	84.0	.0605	.7125	18.35.9	R	5 12 ,,
2	24.502	20.07	82.9	26.29	83.0	.0560	.7144	18.37.2	R	6 12 ,,
3	25.463	20.06	82.3	26.38	82.8	.0558	.7154	18.37.6	R	7 12 ,,
4	25.737	19.89	82.0	26.38	82.5	.0430	·7154	18.38.0	R	8 12 ,,
5	25.326	19.92	81.8	26.40	82.3	.0534	.7156	18.38.1	B	9 12 ,,
6	25.051	20.04	81.3	26.44	81.9	.0555	.7160	18.37.8	B	10 12 ,,
7	25.120	20.25	81.1	26.57	81.6	.0589	.7175	18.38.0	B	11 12 ,,
8	24.914	20.13	80.7	26.58	81.1	.0568	.7176	18.38.3	B	Midnight.
9	25.051	20·11	80.2	26.53	81·0	.0566	.7170	18.38.1	C	1 12 a. m.
10	24.776	20.19	80.0	26.66	80.6	.0579	.7185	18.38.6	C	2 12 ,,
11	24.846	20.16	79.8	26.65	80.1	.0574	.7184	18.38.6	C	3 12 ,,
12	24.707	20.21	89.1	26.70	79.9	·0583	.7189	18.38.7	C	4 12 ,,
13	23.816	20.18	78.8	26.74	79·5	.0577	.7193	18.38.9	R	5 12 ,,
14	24.159	20.41	78.1	26.76	78.7	.0616	.7196	18.38.4	R	6 12 ,,
15	24.363	20.38	78.0	26.46	78.5	.0610	.7163	18.37.3	R	7 12 ,,
16	25.394	20.70	78.9	26.66	78.6	.0663	.7185	18.37.5	R	8 12 ,,
17	25.875	20.98	79.9	26.58	79.2	.0708	.7176	18·36.5	B	9 12 ,,
18	25.875	21·27	81.2	26.29	79.6	.0757	.7142	18.34·5	B	10 12 ,,
19	24.983	21.34	82.2	26.12	80.5	.0768	.7125	18.33.8	B	11 12 ,,
20	24·776	21.29	83.2	26.16	81·4	.0760	.7123	18.33.8	B	Noon.
21	23.816	21·15	84.7	25.95	82.5	.0736	.7107	18.33.5	C	1 12 p. m.
22	23.580	20.87	85.0	25.91	83.1	.0691	·7102	18.33.8	C	2 12 ,,
23	23.816	20.64	85.2	25.92	84·0	.0653	.7103	18·34.4	C	3 12 ,,
Nov. 12TH-Noon.	25.326	20.94	84.0	25.97	84.0	·0707	·7109	18.34.0	R	4 12 ,,
1	24.295	20.66	83.0	26.00	83.4	.0656	.7123	18.35.1	R	5 12 ,,
2	24.226	20.62	82.7	26.34	83.0	.0649	.7149	18.36.2	R	6 12 ,,
3	24.649	20.55	82·2	26.37	82·4	,0638	.7153	18.36.6	R	7 12 ,,
4	24.846	20.48	82.0	26.96	82.0	.0627	.7208	18.38.8	R	8 12 ,,
5	24.639	20.36	81.3	27.10	81.8	.0607	.7233	18.40.1	B	9 12 ,,
6	24·846	20.37	81.0	27.07	81.5	.0609	.7230	18.40.0	B	10 12 ,,
7	24.983	20.42	80.6	27.09	81.2	.0617	.7232	18.39.8	B	11 12 ,,
8	24·983	20.39	80.3	26.93	81.1	.0611	.7214	18.39.3	B	Midnight.
9	25.189	20.28	79.7	25.94	80.7	.0594	.7215	18.39.6	C	1 12 a. m.
10	24.983	20.34	79.4	25.99	80.5	.0604	.7221	18.39.7	C	2 12 ,,
11	24.846	20.42	79.0	26.00	80.1	.0617	.7222	18.39.4	C	3 12 ,,
12	24.914	20.53	78.7	25.99	79.6	.0630	.7231	18.39.6	C	4 12 ,,
13	24.502	20.46	78.1	26.77	79.0	.0624	.7207	18.38.9	R	5 12 ,,
14	24.707	20.52	77.6	26.75	78.4	.0633	.7205	18.38.7	R	6 12 ,,
15	23·953	20.50	77.8	26.86	78·5	.0630	.7207	18·38.8	R	7 12 ,,
16	23.816	20.92	79.0	26.86	78.6	·0698	.7207	18.37.9	R	8 12 ,,
17	24.639	21.32	80.1	26.72	79.3	.0764	·7192	18.36.4	B	9 12 ,,
18	24.226	21.60	81·6	26·53	80·2	.0810	.7170	13.35.0	B	10 12 ,,
19	23.130	21.75	83.0	26.36	81.2	.0825	.7152	13.34.0	B	11 12 ,,
20	23.991	21.62	80.8	26.46	81.9	.0813	.7163	18.34.7	B	Noon.
21	23·609	21.51	84.9	26.47	83·1	.0796	.7164	18.34.8	C	1 12 p. m.
22	23·953	21.26	85.9	26.46	84.0	.0755	·7160	18.35.2	C	2 12 ,,
23	23.473	20.94	85.8	26·41	84.3	.0702	.7157	18.36.0	C	3 12 ,,

On the 8th, at about 19h. 45m., Dip as obtained by Observation was 18°43'0.
On the 9th, at about 19h. 30m., Deflection Observations were taken.

DAILY OBSERVATIONS, FROM 13TH TO 15TH NOVEMBER 1860.

Date. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1860.
h.										h. m.
Nov. 13TH-Noon.	23·746	20.80	85·0	26.48	·84·3	8.0679	2.7165	18°36′5	C	4 12 p. m.
1	23.816	20·56	83.5	26.51	83.6	.0640	.7168	18.37.1	R	5 12 ,,
2	23.953	20.50	82.7	26.75	83.0	.0630	.7195	18.38.3	R	6 12 ,,
3	24.502	20.31	82.0	26.77	82.2	.0599	.7197	18.38.8	R	7 12 ,,
4	24·502	20.26	81.7	26.66	82.0	.0591	.7185	18.38.4	R	8 12 ,,
5	24.776	20.35	81.1	26.70	81·6	.0605	.7189	18.38.3	B	9 12 ,,
6	24.776	20.19	80.5	26.76	81.2	.0579	.7196	18.39.0	B	10 12 ,,
7	24.776	20.29	80.2	26.80	80.9	.0596	.7200	18.38.9	B	11 12 ,,
8	25·120	20.35	80.0	26.86	80.6	.0605	.7207	18.39.1	B	Midnight.
9	24.846	20.38	79.9	26.90	80.3	.0610	·7211	18.39.2	C	1 12 a. m.
10	24.914	20.32	79.3	27.00	80.0	.0600	.7222	18.39.7	C	2 12 ,,
11	25.051	20.39	79.0	27.00	79.9	.0612	.7222	18.39.6	C	3 12 ,,
12	24.846	20.43	78.5	26.98	79.3	.0619	.7220	18.39.4	C	4 12 ,,
13	24.846	20.41	78.1	27.08	78·5	.0616	.7231	18.39.8	R	5 12 ,,
14	24.021	20.59	77.7	27.04	78.0	.0645	.7226	18.39.2	R	6 12 ,,
15	23.834	20.69	77.8	27.14	78.0	.0661	·7237	18.39.6	R	7 12 ,,
16	24.639	21.08	78.8	27.25	78.5	.0725	.7250	18.39.2	R	8 12 ,,
17	25.326	21.48	79.9	27.19	79.0	.0791	.7243	18.38.1	B	9 12 ,,
18	24·570	21·68	81.0	26.99	79.7	.0833	.7221	18.36 8	B	10 12 ,,
19	24.363	21.91	82.2	26.82	80.5	.0861	.7202	18.35.5	B	11 12 ,,
20	24.776	21.79	83.6	26·90	81·5	.0842	.7211	18.36.2	B	Noon.
21	25.600	21.46	84.6	26.83	82.6	.0788	.7203	18.36.5	C	1 12 p. m.
22	25.600	21.14	85.2	26·62	84.0	.0735	.7180	18.36.3	C	2 12 ,,
23	25.120	21.17	86.4	26.42	84.9	.0740	.7158	18·35.5	C	3 12 ,,
Nov. 14TH-Noon.	24.846	21.04	85·8	26·39	85.0	.0719	.7155	18.35.6	C	4 12 ,,
1	24.502	20.82	84.7	26.42	84.0	.0682	.7158	18.36.3	R	5 12 ,,
2	24.639	20·67	83.5	26.62	83.1	.0658	.7179	18.37.2	R	6 12 ,,
3	24.502	20.58	82·8	26.68	82.7	.0643	.7187	18.37.9	R	7 12 ,,
4	24.846	20.37	82.1	26.68	82.0	·0609	.7187	18.37.3	R	8 12 ,,
5	24.846	20.16	81.2	26.66	82.0	.0574	·7185	18.38.7	B	9 12 ,,
6	25.189	20.21	80·0	26.75	81.5	.0583	.7195	18.39.0	B	10 12 ,,
7	24.846	20.29	79.4	26.77	80.5	.0596	.7197	18.38.8	B	11 12 ,,
8	24 226	20.46	80.1	26.91	80.4	.0624	.7212	18.39.0	B	Midnight.
9	24.639	20.41	79.7	26.85	80.1	·0616	.7206	18.38.8	C	1 12 a. m.
10	24.846	20.32	79.0	26.94	79.8	.0600	.7215	18.39.5	C	2 12 ,,
11	24.914	20.31	78.6	26.99	79·5	.0599	.7221	18.39·7	C	3 12 ,,
12	24.707	20.34	78.2	26.97	79.1	.0604	.7219	18.39.6	C	3 12 ,,
13	24.846	20.35	77.8	26.95	78.4	·0605	.7217	18.39.9	R	5 12 ,,
14	24.432	20·31	77.3	26.94	78.0	.0599	.7215	18.39.5	R	6 12 ,,
15	24.570	20.35	77.5	27.16	77.9	.0605	.7240	18.40.4	R	7 12 ,,
16	25.600	20.69	78·0	27.24	78.0	.0661	.7248	18.40.0	R	8 12 ,,
17	25.875	21.09	79.5	27.31	78.6	.0427	.7253	18.39.3	B	9 12 ,,
18	25.051	21.10	81.0	26.94	79.5	·0728	.7215	18.37.8	B	10 12 ,,
19	24.432	21.53	82.1	26.89	80.2	·0799	.7210	18.36.7	B	11 12 ,,
20	24.846	21.55	83.0	26.91	81.0	.0802	.7212	18.36.7	B	Noon.
21	25.532	21.29	84.1	26.90	82.2	.0760	·7211	18.37.2	C	1 12 p. m.
22	26.012	20.95	85.0	26.84	83.1	.0703	.7204	18.37.7	C	2 12 ,,
23	25.669	20.67	84.7	26·77	83.2	.0656	.7197	18.38.0	C	3 12 ,,
Nov. 15TH-Noon.	24.639	20.61	84.0	26.75	83.5	.0648	.7195	18.38.0	C	4 12 ,,
1	24.502	20.34	83.0	26.69	83.0	.0604	.7188	18.38.4	R	5 12 ,,
2	24.707	20.30	82.5	26.88	82.5	.0597	.7209	18.39.2	R	6 12 ,,
3	25.189	20.01	82.0	26.91	82.0	·0550	.7212	18.39.9	R	7 21 ,,
4	25.051	19.96	81.7	26.85	81.7	.0541	.7206	18·39.9	R	8 12 ,,
5	24.776	20.14	81.1	26.96	81.2	.0571	.7218	18.40.0	B	9 12 ,,
6	25.267	19.89	80.4	27.03	81.0	.0530	·7225	18.40.8	B	10 12 ,,
7	25.737	19.96	80.0	27.12	80·7	·0541	.7235	18.41.1	B	11 12 ,,
8	25.120	20.08	80.1	27.11	80.4	·0561	.7234	18.40.7	B	Midnight.
9	25.051	20.09	79.3	27·07	80.1	·0563	.7230	18.40.6	C	1 12 a. m.
10	24·914	20.28	79.0	27.10	79.9	.0594	.7233	18.40.3	C	2 12 ,,
11	25.394	20.17	78.7	27.13	79.3	.0576	.7236	18·40.7	C	3 12 ,,

DAILY OBSERVATIONS, FROM 15TH TO 18TH NOVEMBER 1860.

Date. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1860.
h.										h. m.
Nov. 15TH—12	24·776	20.27	78°1	27.17	79°0	8.0593	2.7241	18°40'6	C	4 12 a. m.
13	25.189	20.39	77.7	27.14	78.0	.0612	.7237	18·40.3	R	5 12 „
14	25.326	20.50	77.5	27.19	78·0	.0630	.7243	18.40.2	R	6 12 „
15	24.159	20.88	77.4	27.25	78.0	.0692	.7250	18.39.7	R	7 12 „
16	24.639	20.93	78.5	27.34	78.0	.0700	.7259	18.39.9	R	8 12 „
17	25.600	21.17	79.3	27.21	78.5	.0740	.7245	18.38.9	B	9 12 „
18	25.463	21.30	80.6	26.86	79.3	·0761	.7207	18.37.1	B	10 12 „
19	24.639	21.63	82.1	26.73	80.2	.0815	.7192	18.35.6	B	11 12 „
20	25.189	21.52	83.5	26.74	81.3	.0797	.7193	18.36.0	B	Noon.
21	25.875	21.07	84.5	26.68	82.7	.0724	.7187	18.36.8	C	1 12 p. m.
22	25.875	20.79	85.5	26.69	83.1	.0678	.7188	18.37.4	C	2 12 „
23	25.600	20.32	85.1	26.60	83.4	.0600	.7178	18.38.0	C	3 12 „
Nov. 16TH—Noon.	25.120	20.11	84.8	26.50	84.0	.0566	.7169	18.38.0	C	4 12 „
1	24.983	19.97	83.7	26.49	83.5	.0543	·7166	18.38.3	R	5 12 „
2	25.051	19.70	82.2	26.68	82.5	.0499	.7187	18.39.7	R	6 12 „
3	25.189	19.81	82.0	26.76	82.0	.0517	.7196	18.39.7	R	7 12 „
4	25.257	19.62	81.2	26.63	81.0	.0485	.7181	18.39.5	R	8 12 „
5	25.326	19.70	80.9	26.73	81.0	.0499	.7192	18.39.8	B	9 12 „
6	24.432	19.94	80.2	26.77	80.6	.0538	.7197	18.39.6	B	10 12 „
7	24.983	20.03	79.9	26·96	80.2	.0553	.7218	18·40.2	B	11 12 „
8	24.776	20.20	79.5	26.90	80.0	.0581	.7211	18.396.	B	Midnight.
9	24.846	20.11	79.0	26.97	79.9	.0566	.7219	18.40.0	C	1 12 a. m.
10	25.257	20.24	79·0	26.99	79.5	.0588	.7221	18.39.8	C	2 12 „
11	24.776	20.23	78.5	26.97	79.1	.0586	.7219	18.39.7	C	3 12 „
12	24.639	20.19	78.0	27.02	78.9	.0579	.7224	18.40.1	C	4 12 „
13	24.846	20.19	77.7	27.04	78.0	.0579	.7226	18.40.2	R	5 12 „
14	23.816	20.21	77.4	26.54	78.0	.0583	.7171	18.38.0	R	6 12 „
15	23.473	20.46	77.0	26 63	77.7	.0624	.7181	18.37.8	R	7 12 „
16	24.159	20.75	77.8	26.73	77.7	.0668	.7192	18.37.6	R	8 12 „
17	24.776	21.20	78.6	26.66	78.1	.0745	.7185	18.36.3	B	9 12 „
18	24.363	21.51	79.8	26.46	78.5	.0796	.7163	18.34.8	B	10 12 „
19	24.502	21.81	81.2	26.46	79.4	.0845	.7163	18.34.1	B	11 12 „
20	25.463	21.65	82.4	26.40	80.4	.0818	.7156	18.34.3	B	Noon.
21	26.149	21.59	83.7	26.18	81.9	.0809	.7132	18.33.5	C	1 12 p. m.
22	25.394	21.35	84.5	26.12	82.6	.0769	.7125	18.33.8	C	2 12 „
23	24.846	21.08	84.6	26.05	82.9	.9725	.7117	18.34.0	C	3 12 „
Nov. 18TH—Noon.	25.394	20.79	83.0	26.29	83.0	.0678	.7144	18.35.7	R	4 12 „
1	24.846	20.56	82.0	26.36	82.0	.0640	·7152	18.36.5	R	5 12 „
2	24.707	20.30	81.0	26.41	81.3	.0597	·7157	18.37.3	R	6 12 „
3	25.463	19.98	80.7	26.48	81.0	.0544	.7165	18.38.3	R	7 12 „
4	24.983	20.07	80.1	26.40	80.5	.0560	.7156	18.37.7	R	8 12 „
5	24.914	20.17	79.9	26.42	80.2	.0576	.7158	18.37.6	B	9 12 „
6	25.120	20.17	79.0	26.51	79·6	.0576	.7168	18.37.9	B	10 12 „
7	25.463	20.15	78.4	26.60	79.3	.0572	.7178	18.38.4	B	11 12 „
8	24.914	20.27	78.3	26.57	79.0	.0593	.7175	18.38.0	B	Midnight.
9	25.394	20.37	78·0	26.65	78.9	.0639	.7184	18 38.1	C	1 12 a. m.
10	25.326	20.36	77.8	26.66	78.5	.0607	.7185	18.38.2	C	2 12 „
11	25.120	20.28	77.6	26.69	78.2	.0594	.7188	18.38.5	C	3 12 „
12	24.295	20.31	77.3	26.68	78.0	.0590	.7187	18.38.4	C	4 12 „
13	24 502	20.42	76.8	26·71	77.0	.0617	.7190	18.38.2	R	5 12 „
14	24.159	20·54	76.6	26.62	77.0	.0637	.7180	18.37.6	R	6 12 „
15	23.404	20.49	76.9	26.71	77.0	.0629	.7190	18.38.1	R	7 12 „
16	24.846	20.60	77.5	26.82	77 2	.0646	.7202	18.38.2	R	8 12 „
17	24.983	21.19	78.6	26.75	77.7	.0743	.7195	18.36.9	B	9 12 „
18	25.051	21.33	79.9	26·57	78.3	.0766	.7175	18.35.7	B	10 12 „
19	24.432	21.58	81.3	26.28	79·3	.0807	.7143	18.34.0	B	11 12 „
20	24.432	21.55	82.2	26.31	80.2	.0802	.7146	18.34.2	B	Noon.
21	24.363	21.52	82.9	26·23	80.9	.0797	.7130	18.33.9	C	1 12 p. m.
22	24.570	21.35	83.3	26.20	81.6	.0769	.7134	18.34.1	C	2 12 „
23	24.846	21.17	83.7	26.07	82.2	.0740	.7120	18.34.0	C	3 12 „

On the 15th, at about 20h. 45m., Dip as obtained by Observation was 18°57'5.
On the 16th, at about 19h. 45m., Deflection Observations were taken.

DAILY OBSERVATIONS, FROM 19TH TO 21ST NOVEMBER 1860.

DATE. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1860.
h.										h. m.
Nov. 19TH-Noon.	25'326	20.96	83°1	26·23	82°7	8.0705	2.7137	18°35'1	C	4 12 p. m.
1	25.189	20.72	82.0	26·22	82.0	.0666	.7136	18.35.5	R	5 12 ,,
2	25.189	20.53	81.0	26.43	81.0	.0635	.7159	18.36.6	R	6 12 ,,
3	24·983	20.60	80.7	26.42	80.7	.0646	.7158	18·36.6	R	7 12 ,,
4	24.846	20.55	80.0	26.41	80.4	.0638	.7157	18.36.8	R	8 12 ,,
5	24.846	20.26	79.4	27.10	80.0	.0591	.7213	18.39.5	B.	9 12, ,,
6	25.463	20.14	78.5	27.13	79.4	.0571	.7236	18.40.7	B	10 12 ,,
7	25.669	20.15	78.0	27.19	79.0	.0572	.7243	18.41.0	B	11 12 ,,
8	24.983	20.38	77.3	27.24	78.3	.0610	.7248	18.40.7	B	Midnight.
9	24.983	20.33	77.2	27.24	78.1	.0602	·7248	18.40.8	C	1 12 a. m.
10	24.570	20.31	77.0	27.24	78.0	.0599	.7248	18.40.8	C	2 12 ,,
11	24.639	20.35	76.4	27.24	77.6	.0605	.7245	18.40.6	C	3 12 ,,
12	24.159	20.48	76.8	27.32	77.3	.0627	.7257	18.40.9	C	4 12 ,,
13	24.502	20.56	76.6	27.31	77.0	.0640	.7256	18.40.6	R	5 12 ,,
14	24.502	20.45	76.0	27.28	77.0	.0622	.7253	18.40.7	R	6 12 ,,
15	24.159	20.57	76.5	27.48	76.9	.0642	.7275	18.41.3	R	7 12 ,,
16	25.051	20.96	77.0	27·45	77.0	.0705	.7272	18.40.2	R	8 12 ,,
17	25.532	21.20	78.2	27.32	77.2	.0745	.7257	18.39.2	B	9 12 ,,
18	26.218	21.46	79.5	27.14	78.0	·0788	.7237	18.37.9	B	10 12, ,,
19	25.394	21.69	81.0	26.53	79.1	.0825	.7170	18.34.7	B	11 12 ,,
20	24.502	21.59	82.5	26.55	80.2	.0809	.7173	18.35.1	B	Noon.
21	24.914	21.40	83.9	26.78	81.1	.0778	.7198	18.36.5	C	1 12 p. m.
22	25.326	21.14	84.2	26.94	82.0	.0735	.7205	18.37.3	C	2 12 ,,
23	25.463	21.10	84.5	26.78	82.7	.0760	.7198	18.37.1	C	3 12 ,,
Nov. 20TH-Noon.	25.463	20.83	83·9	26.73	83.0	.0684	.7102	18·37.5	C	4 12 ,,
1	24.363	20.63	83.0	26.68	82.6	.0651	.7187	18.37.7	R	5 12 ,,
2	24.570	20.59	82.2	26.85	82.0	.0645	.7206	18.38.5	R	6 12 ,,
3	24.846	20.45	81.9	26.90	81.5	.0622	.7211	18.39.0	R	7 12 ,,
4	24.846	20.46	81.7	26·92	81.0	.0624	.7213	18.39.1	R	8 12 ,,
5	24.914	20.27	81.0	26.88	81.0	.0593	.7209	18.39.3	B	9 12 ,,
6	24.846	20.22	80.2	26.97	80.8	.0584	.7219	18·40.0	B	10 12 ,,
7	24.983	20.35	80.1	27.01	80.4	.0605	.7223	18.39.7	B	11 12 ,,
8	25.257	20.36	79.3	27.02	80.1	·0607	.7224	18.39.7	B	Midnight.
9	25.051	20.53	79.3	27.05	80.0	.0635	.7228	18.39.5	C	1 12 a. m.
10	25.187	20.39	79.1	27.03	79.8	.0612	.7225	18·39.8	C	2 12 ,,
11	24.846	20.50	79.6	27.09	79.7	.0630	.7232	18.39.7	C	3 12 ,,
12	24.432	20.50	79.5	26.99	79.8	.0630	.7221	18.39.3	C	4 12 ,,
13	24.360	20.42	79.0	27.05	79.0	.0617	.7228	18.39.7	R	5 12 ,,
14	24.159	20.68	78·5	26.97	79.0	.0659	.7219	18.38.8	R	6 12 ,,
15	23.816	20.79	78.4	26.98	78.7	.0678	.7220	18.38.7	R	7 12 ,,
16	24.295	21.14	79.4	27.07	78.9	.0735	·7230	18.38.3	R	8 12 ,,
17	25.532	21.42	80.1	27.08	79·4	.0781	.7231	18.37.8	B	9 12 ,,
18	25.875	21.69	81.6	27.01	80.2	.0825	.7223	18·36.8	B	10 12 ,,
19	26.012	21.66	82.8	27.04	80·8	.0820	·7226	18.37.1	B	11 12 ,,
20	25.463	21.77	84.2	26.81	82.0	.0839	.7201	18.35.8	B	Noon.
21	25.326	21.58	85.0	26.86	82.9	.0807	.7207	18.36.5	C	1 12 p. m.
22	24.639	21.27	85.1	26.76	83.2	.0757	.7196	18.36.6	C	2 12 ,,
23	24.432	21.09	85.3	26.68	83.7	.0727	.7187	18.36.7	C	3 12 ,,
Nov. 21ST-Noon.	24.502	20.85	84.9	26.67	84.0	.0687	.7186	18·37.1	C	4 12 ,,
1	24.502	20·72	83.7	26·70	83.4	.0666	.7189	18.37.5	R	5 12 ,,
2	24.502	20·68	83.0	26.81	83.0	.0659	.7201	18.38.1	R	6 12 ,,
3	24.846	20.59	83.0	26.85	82.6	.0645	.7206	18.38.4	R	7 12 ,,
4	24.570	20.52	82.5	26.78	82.5	.0633	.7198	18.38.4	R	8 12 ,,
5	24.846	20·37	81.6	26·77	82.4	.0609	.7197	18.38.7	B	9 12 ,,
6	24.707	20.49	82.0	26.85	82.4	.0629	.7206	18·38.7	B	10 12 ,,
7	24.639	20.50	82.0	26.92	82.2	.0630	.7213	18.39.0	B	11 12 ,,
8	24.983	20·51	81·5	26.97	81.8	.0632	·7219	18.39.2	B	Midnight.
9	24.846	20.48	81.3	27.03	81.6	.0627	.7225	18.39.5	C	1 12 a. m.
10	24.776	20.51	80.9	26·92	81.2	·0632	.7213	18.39.0	C	2 12 ,,
11	24.502	20.49	80.8	26.93	81.0	.0629	.7214	18.39.0	C	3 12 ,,

On the 19th, at about 19h. 15m., Dip as obtained by Observation was 19°15'0.

DAILY OBSERVATIONS, FROM 21ST TO 23RD NOVEMBER 1860.

Date. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1860.
h.										h. m.
Nov. 21st—12	24·159	20.49	80°2	26.98	81·0	8.0629	2.7220	18°39'3	C	4 12 a. m.
13	24.159	20.35	80.0	26.91	80.4	.0605	.7213	18.39.3	R	5 12 „
14	23.816	20.51	79.5	27.30	80.0	.0632	.7255	18.40.7	R	6 12 „
15	23.609	20.80	79.7	27.20	80.0	.0679	.7244	18·39.6	R	7 12 „
16	24.502	21.17	80.4	27.25	80.0	·0740	.7250	18.39.1	R	8 12 „
17	25.257	21.55	81.5	27.27	80.6	.0802	.7252	18.38.3	B	9 12 „
18	25.189	21.85	83.0	27.05	81.5	.0851	.7227	18.36.7	B	10 12 „
19	24.363	21.75	83.9	26.95	82.3	.0835	.7217	18.36.5	B	11 12 „
20	24.570	21.66	85.3	26.88	83.3	.0820	.7209	18.36 3	B	Noon.
21	24.846	21.47	86.6	26.88	84.2	.0790	·7209	18.36.7	C	1 12 p. m.
22	24.707	21·17	86.1	26.79	84.6	.0740	.7199	18.37.0	C	2 12 „
23	24.226	21.01	86.1	26.70	84.9	.0714	.7189	18.37.0	C	3 12 „
Nov. 22nd-Noon.	24.159	20.86	85.9	26.65	85.1	.0689	.7184	18.37.0	C	4 12 „
1	24.159	20·73	84.6	26.73	84.4	.0668	.7192	18.38.5	R	5 12 „
2	24.432	20.71	84.0	26.86	83.7	.0665	.7207	18.38.3	R	6 12 „
3	24.639	20.53	83.5	26.90	83.4	·0635	.7211	18.38.8	R	7 12 „
4	24.707	20.51	83.4	26.89	83.1	.0632	.7210	18.39.3	R	8 12 „
5	24.707	20.45	83.1	27.01	83.1	.0622	.7223	18.39.5	B	9 12 „
6	24.776	20.48	82.6	26.99	82.9	.0627	.7221	18·39.3	B	10 12 „
7	24.846	20.55	82.0	27.06	82.5	.0638	.7229	18·39.5	B	11 12 „
8	24.639	20.64	81.8	27.07	82.3	.0653	.7230	18.39.4	B	Midnight.
9	24.846	20.60	81.7	27.06	82.1	.0646	.7229	18.39.3	C	1 12 a. m.
10	24.432	20.62	81.5	27.06	81.9	.0649	.7229	18.39.3	C	2 12 „
11	24.707	20.60	80.9	27.05	81.5	.0646	.7228	18.39.3	C	3 12 „
12	24.639	20.70	80.3	27.04	81.3	.0663	.7226	18.39.1	C	4 12 „
13	23.816	20.70	80.0	27.03	81.0	.0663	.7225	18.39.1	R	5 12 „
14	24.226	20.75	80.0	27.02	80.5	.0691	.7224	18·38.9	R	6 12 „
15	23.473	21.01	80.2	27.07	80.5	.0714	.7230	18.38.7	R	7 12 „
16	23.607	21.51	80.8	27.05	80.9	.0796	.7228	18.37.4	R	8 12 „
17	24.090	22.09	82.1	26.90	81.5	.0891	.7211	18.35.5	B	9 12 „
18	24.363	22.06	83.1	26.81	82·1	.0886	.7201	18.35.1	B	10 12 „
19	23.267	22.15	84.6	26.59	83.0	.0900	.7177	18.34.1	B	11 12 „
20	24.776	21.82	85.7	26.71	83.8	.0846	.7190	18.35.2	B	Noon.
21	25 806	21.61	86.7	26.63	84.4	.0829	.7181	18.35.1	C	1 12 p. m.
22	25.395	21.27	86.2	26.64	84.8	.0757	.7182	18.36.0	C	2 12 „
23	25.669	20.96	85.2	26.67	84.3	.0705	.7186	18.36.9	C	3 12 „
Nov. 23rd-Noon.	25.532	20.69	84.5	26.68	84.1	.0661	.7187	18.37.6	C	4 12 „
1	25.463	20.50	84.0	26.66	83.5	.0630	.7185	18·37.9	R	5 12 „
2	24.776	20.30	83.5	26.69	83.0	.0597	.7188	18.38.4	R	6 12 „
3	24.914	20.24	82.9	26.79	82.9	.0588	.7199	18.38.9	R	7 12 „
4	25.532	19.74	82.7	26.63	82.6	.0506	.7181	18.39.3	R	8 12 „
5	25.394	19.50	82.3	26.61	82·5	.0466	.7179	18.39.7	B	9 12 „
6	26.012	19.69	81.6	26.78	82.5	.0497	.7198	18.40.1	B	10 12 „
7	25.669	19.84	82.0	26.77	82.3	.0522	.7197	18.39.8	B	11 12 „
8	26.966	19.89	81.9	26.77	82.2	.0530	.7197	18.39.7	B	Midnight.
9	26.012	19.83	81.3	26.69	81.9	·0520	.7188	18.39.4	C	1 12 a. m.
10	25·326	20.20	81.0	26.70	81·8	.0581	·7189	18.38.7	C	2 12 „
11	25.669	20.14	80.5	26.75	81.0	.0571	.7195	18.39.1	R	3 12 „
12	24.846	20.02	80.4	26.73	81.0	.0551	.7192	18.39.1	R	4 12 „
13	24.570	19.96	80.4	26.78	80.8	.0541	.7198	18·39.6	B	5 12 „
14	24.363	20.08	80.2	26.80	80.6	·0561	.7200	18.39.4	B	6 12 „
15	24.432	20.22	80.4	26.67	80.7	.0584	.7186	18.38.6	C	7 12 „
16	24.983	20.50	80.6	26.70	81.0	.0630	.7189	18.38.0	C	8 12 „
17	25.875	20.65	81.4	26.73	81.0	.0654	.7192	18.37.8	R	9 12 „
18	25.875	20.85	82.0	26.48	81.1	.0687	.7165	18.36.3	R	10 12 „
19	24.570	20.91	83.0	26.68	82.1	.0697	.7187	18.37.1	B	11 12 „
20	24.295	20.94	84.4	26.40	83·2	.0702	.7156	18.35.9	B	Noon.
21	24.707	20.88	85.9	26.37	84.0	.0692	.7153	18.35.9	C	1 12 p. m.
22	25.532	20.50	85.4	26.40	84.0	.0630	.7156	18.36.8	C	2 12 „
23	25.875	20.38	84.6	26.41	83.8	.0610	.7157	18.37.2	R	3 12 „

On the 22nd, at about 19h. 15m., Dip as obtained by Observation was 19°11'2.
On the 23rd, at about 19h., Deflection Observations were taken.

DAILY OBSERVATIONS, FROM 24TH TO 27TH NOVEMBER 1860.

DATE. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. — In English Units.	Absolute Vertical Force. — In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1860.
h.										h. m.
Nov. 24TH-Noon.	25·326	20.32	84·0	26.31	83·5	8.0600	2.7146	18°36'9	R	4 12 p. m.
1	24.983	20.37	83.5	26.33	83.5	·0609	.7148	18.36.8	B	5 12 ,,
2	24.707	20.38	83.2	26.40	83.3	.0600	.7156	18.37.2	B	6 12 ,,
3	24.983	20.29	82.9	26.46	83.1	.0596	.7163	18.37.4	C	7 12 ,,
4	24.983	20.20	82.7	26.48	82·9	.0581	.7165	18.37.8	C	8 12 ,,
5	24.983	19.97	82.1	26.48	82.5	.0543	.7165	18.38.3	R	9 12 ,,
6	25.257	20.02	81.5	26.66	82.0	.0551	.7185	18.38.9	R	10 12 ,,
7	25.257	20.32	81.5	26.68	82.0	·0600	.7187	18.38.4	B	11 12 ,,
8	24.914	20.18	81.1	26.71	81.9	.0577	.7190	18.38.8	B	Midnight.
9	24.776	20.30	81·1	26.73	81·9	.0597	.7192	18.38.5	C	1 12 a. m.
10	24.846	20.31	80.9	26.75	81.6	.0599	.7195	18.38.7	C	2 12 ,,
11	24.846	20.27	80.2	26.78	81.1	.0593	.7198	18.38.9	C	3 12 ,,
12	25.326	20.22	79·3	26.72	80·6	.0584	.7191	18.38.8	C	4 12 ,,
13	24.363	20.62	79.3	26.70	80.1	.0649	.7189	18.37.7	R	5 12 ,,
14	24.159	20.72	79.0	26.70	80.0	·0666	.7189	18.37.5	R	6 12 ,,
15	24.363	20·37	79.3	26·84	79·7	.0609	.7204	18.38.9	R	7 12 ,,
16	25.875	20.58	79.8	27.12	80.0	·0643	.7235	18.39.7	R	8 12 ,,
17	26.561	20.90	80.2	26.96	80.3	.0695	.7217	18.38·2	B	9 12 ,,
18	25.943	21.28	82.3	26.60	81.0	.0758	.7187	18°36·2	B	10 12 ,,
19	25·600	21.26	83.6	26.68	82·0	.0755	.7187	18.35.3	B	11 12 ,,
20	25.189	21.23	84.9	26.60	83.2	·0750	.7178	18.36.0	B	Noon.
21	25.326	21.12	86.2	26.57	84·1	.0731	.7176	18.36·2	C	1 12 p. m.
22	25.806	21.00	86.8	26.42	84.8	.0712	.7168	18.36.2	C	2 12 ,,
23	25.875	20.87	86.5	26.40	85.1	.0691	.7166	18.36.3	C	3 12 ,,
Nov. 26TH-Noon.	26.286	20.83	85.1	26.41	85.0	.0684	.7157	18.36.3	R	4 12 ,,
1	25.532	20·22	84.0	26.43	84·4	.0584	.7159	18.37.6	R	5 12 ,,
2	25.051	19.89	83.3	26.61	83.5	.0530	.7179	18.38.9	R	6 12 ,,
3	25.532	20.10	82.6	26.39	83.0	.0564	.7155	18.37.7	R	7 12 ,,
4	24.502	19.74	82.3	26.38	82.6	.0506	.7154	18.38.3	R	8 12 ,,
5	24.502	20.07	82.1	26.52	82.4	.0560	.7169	18.38.1	B	9 12 ,,
6	24.639	20.24	81.9	26.97	82.1	.0588	.7219	18.39.7	B	10 12 ,,
7	25.051	20.30	81.2	26.91	81.9	.0600	.7212	18.39.3	B	11 12 ,,
8	24.914	20.31	80.9	26.99	81.4	.0599	.7221	18.39.7	B	Midnight.
9	24.846	20.31	80.5	27.03	81.0	.0599	·7225	18.39.9	C	1 12 a. m.
10	24.983	20.33	79.8	27.02	80.6	.0602	.7224	18.39.8	C	2 12 ,,
11	24.914	20.34	79.1	26.99	80.3	.0604	.7221	18.39.7	C	3 12 ,,
12	24.846	20·34	78.8	27.00	80.0	.0604	.7222	18.39.7	C	4 12 ,,
13	24.502	20.41	78.4	26.59	79.6	.0616	·7177	18.37.7	R	5 12 ,,
14	24.159	20.59	78.0	26.28	79.2	.0645	.7143	18·36.0	R	6 12 ,,
15	23.473	20.83	78.5	26.37	79.0	.0684	·7153	18.36.1	R	7 12 ,,
16	23.473	21.14	79.4	26.29	79.5	.0735	.7144	18.34.9	R	8 12 ,,
17	24.226	21.54	80.6	26.25	80.0	.0801	.7140	18.34.0	B	9 12 ,,
18	25.120	21.56	82.3	26·28	81.1	.0804	.7143	18.34.1	B	10 12 ,,
19	24.639	21.51	83.8	26.24	82.1	.0796	.7138	18.33.9	B	11 12 ,,
20	24.502	21.41	85.3	26.32	83·2	.0780	.7147	18.34.6	B	Noon.
21	24.502	21.28	86.0	26.28	84.0	.0758	.7143	18.34·6	C	1 12 p. m.
22	25.051	21.07	86.8	26.22	84.8	.0724	·7136	18.34.8	C	2 12 ,,
23	25.394	20.91	86·7	25.98	85.4	.0697	.7110	18·34.1	C	3 12 ,,
Nov. 27TH-Noon.	24.914	20.64	86.0	25.92	85.7	.0653	.7103	18.34.4	C	4 12 ,,
1	24.502	20.58	85.2	25.96	85.3	.0643	·7109	18.34.8	R	5 12 ,,
2	24.776	20.44	84.7	26.12	84.0	.0621	.7125	18·35·7	R	6 12 ,,
3	24 846	20.54	84.4	26.30	83.2	.0637	.7145	18.36.3	R	7 12 ,,
4	25.600	20.00	82.8	26.20	82.8	·0548	.7134	18·36·9	R	8 12 ,,
5	24.846	19.96	82.0	26.32	82.3	.0541	.7147	18.37.7	B	9 12 ,,
6	24.985	20.39	82.0	26.36	82.1	.0612	·7152	18.36.9	B	10 12 ,,
7	24.983	20.21	80.9	26·40	81.5	.0583	.7156	18.37.5	B	11 12 ,,
8	25.532	20.17	80.3	26.48	81.1	.0576	.7165	18.37·8	B	Midnight.
9	25.051	20 01	79.9	26.47	80.8	.0550	.7164	18.38.0	C	1 12 a. m.
10	25.257	20.19	79.7	26.44	80.6	.0579	.7160	18.37.6	C	2 12 ,,
11	24.914	20.27	79.1	26.40	80.1	.0593	.7156	18.37.3	C	3 12 ,,

On the 26th, at about 20h., Dip as obtained by Observation was 19°03'1.

DAILY OBSERVATIONS, FROM 27TH TO 29TH NOVEMBER 1860.

DATE. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1860.
h.										h. m.
Nov. 27TH—12	24·363	20.07	78·7	26.44	79·7	8.0560	2.7160	18°37′8	C	4 12 a. m.
13	24.159	20.10	77.5	26.47	79.0	.0564	.7164	18.37.9	R	5 12 „
14	24.570	20.21	77·3	26.46	78.6	.0583	.7163	18.37.7	R	6 12 „
15	24.021	20.48	77.4	26.50	78.2	.0627	.7167	18.37.2	R	7 12 „
16	24.432	20.92	77.9	26.66	78.6	·0698	.7185	18.37.0	R	8 12 „
17	25·532	21.19	79.4	26 62	79.1	.0743	.7180	18.36.3	B	9 12 „
18	25.532	21.66	81.3	26.36	80.2	.0820	.7153	18.34.2	B	10 12 „
19	25.051	21.46	82.5	26.41	80.9	.0788	.7157	18.34.8	B	11 12 „
20	25.806	21.38	83.2	26.39	81.4	.0774	.7155	18·35.0	B	Noon.
21	26.218	21.04	84.0	26.36	82.0	.0719	.7152	18.35.4	C	1 12 p. m.
22	26.218	20.78	84.9	26.27	82.8	.0676	.7142	18·35.6	C	2 12 „
23	25.669	20.76	85.1	26.11	83.5	.0673	.7124	18.35.0	C	3 12 „
Nov. 28TH-Noon.	25.532	20.61	84.6	26.18·	83.9	.0648	.7132	18.35.5	C	4 12 „
1	24.914	20.39	83.0	26.21	83.0	.0612	.7135	18.36·3	R	5 12 „
2	25.120	20.33	82.0	26.36	82.0	.0602	.7152	18.37.0	R	6 12 „
3	24.983	20.20	81.4	26.40	80.7	.0581	.7156	18.37.5	R	7 12 „
4	25.189	20.11	80·9	26.43	80.9	.0566	.7159	18.37.7	R	8 12 „
5	25.463	20.01	79.8	26.42	80·5	.0550	.7158	18.37.9	B	9 12 „
6	25.189	19.88	79.3	26.45	80.0	.0528	.7162	18.38.2	B	10 12 „
7	25.326	20.11	78.8	26.62	79.5	.0506	·7180	18.38.5	B	11 12 „
8	25.189	20.33	78.8	26·62	79.1	.0602	.7180	18.38.1	B	Midnight.
9	25.257	20.28	78.5	26.67	79.0	.0594	.7186	18·38.4	C	1 12 a. m.
10	24.983	20.28	78.1	26.67	78.9	.0594	.7186	18.38.4	C	2 12 „
11	25.051	20.26	78.0	26.72	78.6	.0591	.7191	18.38.6	C	3 12 „
12	25.051	20·27	77.6	26.75	78.2	.0593	.7195	18.38.8	C	4 12 „
13	24.090	20.50	77.2	26.74	78.0	.0630	.7193	18.38.2	R	5 12 „
14	23.473	20.46	77.0	26.68	77.5	.0624	.7187	18.38.1	R	6 12 „
15	23.677	20.31	77.0	26.70	77.5	.0599	.7189	18.38.4	R	7 12 „
16	24.502	20.62	77.6	26.73	77.5	.0639	.7192	18.38.4	R	8 12 „
17	25.600	21.19	78.8	20.79	78.0	.0743	.7199	18.37.0	B	9 12 „
18	24.707	21.24	80.2	26.61	78.8	·0752	.7179	18.36.0	B	10 12 „
19	23.884	21.55	82.5	26.39	80.2	.0802	.7155	18·35.6	B	11 12 „
20	24.502	21.53	83.6	26.39	81.2	.0799	.7155	18.35.6	B	Noon.
21	25.463	21.27	84.3	26.46	82.0	.0757	.7163	18.35.3	C	1 12 p. m.
22	25.463	21.15	85.0	26.21	83.0	.0736	.7135	18.34.6	C	2 12 „
23	25.257	21.09	85.5	26.22	83.9	.0727	.7136	18.34.7	C	3 12 „
Nov. 29TH-Noon.	25.257	20.99	85.4	26.17	84.0	.0710	.7131	18.34.8	C	4 12 „
1	24.502	20.65	84.0	26.30	83.4	.0654	.7145	18.36.1	R	5 12 „
2	25.532	20·57	83.0	26.48	82.5	.0642	.7165	18·37.0	R	6 12 „
3	25·189	20.26	82.0	26.56	81.9	.0591	.7174	18·37.9	R	7 12 „
4	25.326	20.05	81.4	26.63	81.0	.0556	.7181	18.38.6	R	8 12 „
5	25.326	19.94	80.5	26.48	81.0	.0538	.7165	18.38.2	B	9 12 „
6	25.463	19.89	79.6	26.56	80.3	·0530	.7174	18.38.7	B	10 12 „
7	25.943	19.96	79.2	26.63	79·8	.0541	.7181	18.38.9	B	11 12 „
8	25·806	20.13	78.8	26.66	79.4	.0569	.7185	18.38.7	B	Midnight.
9	25.257	20.38	78.5	26.63	79.1	.0610	.7181	18.38·0	C	1 12 a. m.
10	25.600	20.34	78.3	26.67	79.4	.0604	.7186	18.38.3	C	2 12 „
11	25.120	20.31	78.0	26.68	78.8	.0599	.7187	18.38.4	C	3 12 „
12	24.432	20.39	77.7	26.69	78.4	.0612	.7188	18.38.3	C	4 12 „
13	24.295	20.27	77.2	26.64	78.0	.0593	.7182	18.38.2	R	5 12 „
14	24.021	20.43	76.9	26.64	77.4	.0615	.7182	18.37.8	R	6 12 „
15	23.953	20.36	76.5	26.66	77.0	·0607	·7185	18.38.2	R	7 12 „
16	24.776	20.68	77.1	26·76	77.0	.0659	.7196	18.37.9	R	8 12 „
17	25·326	21·13	78.4	26.78	77.5	·0733	.7198	18.37.1	B	9 12 „
18	24.707	21.36	80.0	26.50	78.2	·0771	.7167	18.35.3	B	10 12 „
19	24.502	21.53	81.5	26.36	79.2	·0799	.7152	18.34.4	B	11 12 „
20	24.776	21.55	83.0	26.36	80.3	.0802	.7152	18.34·4	B	Noon.
21	26.012	21.46	84.5	26.36	81.9	.0788	.7152	18.34.5	C	1 12 p. m.
22	26.561	21·05	85.0	26.35	83.2	.0720	.7151	18.35.4	C	2 12 „
23	25.875	20.99	85.5	26.30	83.9	.0710	.7145	18.35.4	C	3 12 „

On the 29th, at about 19h. 20m., Dip as obtained by Observation was 19°07′5.

DAILY OBSERVATIONS, FROM 30TH NOVEMBER TO 3RD DECEMBER 1860.

DATE. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1860.
h.										h. m.
Nov. 30TH-Noon.	25·875	20.55	85·0	26.45	83·6	8.0638	2.7162	18°37'8	C	4 12 p. m.
1	25.943	20.31	83.5	26.39	83.0	·0599	.7155	18.37.2	R	5 12 „
2	24.846	19·95	82.2	26.46	82.0	.0539	.7163	18.38.2	R	6 12 „
3	25.051	19.91	81.7	26.27	81.5	.0533	.7142	18.37.5	R	7 12 „
4	25.189	19.88	80.9	27.13	81·0	.0528	.7236	18.41.2	R	8 12 „
5	25.120	19.63	79.9	27.24	80.5	.0487	.7248	18.42·2	R	9 12 „
6	25·394	19.96	79.2	27.22	80.0	.0541	.7246	18.41.5	B	10 12 „
7	25.463	20.20	78.6	27.26	79.4	.0531	·7251	18.41.2	B	11 12 „
8	25.189	20·38	78.5	27.41	79.1	.0610	.7267	18.41.4	B	Midnight.
9	25.189	20.20	78.3	27.45	78.9	.0581	.7272	18.41.9	C	1 12 a. m.
10	25·394	20.22	77.9	27.41	78.6	.0584	.7267	18.41.8	C	2 12 „
11	25.051	20.30	77.5	27.45	78.3	.0597	.7273	18.41.7	C	3 12 „
12	25.051	20.30	77.1	27.44	77.9	.0597	.7270	18.41.6	C	4 12 „
13	25.189	20.30	76.5	27.41	77.0	.0597	.7267	18.41.5	R	5 12 „
14	24.776	20.32	76·2	27.40	76·5	·0600	·7266	18.41.4	R	6 12 „
15	23.816	20.38	76.0	27.48	76.2	.0610	.7275	18.41.7	R	7 12 „
16	24·363	20.88	77·1	27.69	76.4	·0692	.7298	18.41.5	R	8 12 „
17	26.286	21.18	78.0	27.66	77.0	.0741	.7295	18.40.8	B	9 12 „
18	25.943	21.52	79.2	27.31	77.8	.0797	.7256	18.38.6	B	10 12 „
19	24.295	21.73	81.2	27.16	78.8	.0832	.7240	18.37.5	B	11 12 „
20	24.502	21.62	82.3	27.14	79.8	.0813	.7237	18.37.7	B	Noon.
21	25.120	21.31	83.1	26.88	81.0	.0763	.7209	18.37.1	C	1 12 p. m.
22	26.561	21.02	84.0	26.82	82.2	.0715	.7202	18.37.3	C	2 12 „
23	25.394	20.91	84.5	26.82	82.5	.0697	.7202	18.36.3	C	3 12 „
Dec. 2ND-Noon.	25.600	21.02	84.0	26.87	83.1	.0715	.7208	18·38.0	C	4 12 „
1	24.846	20.78	83.2	26.93	82.6	.0676	.7214	18.38.4	C	5 12 „
2	25.051	20.51	81.4	27.10	81.8	.0632	.7233	18.39.8	C	6 12 „
3	25.120	20.37	80.6	27.11	81.2	.0609	.7234	18.40.1	C	7 12 „
4	24.846	20.30	80.0	27.18	80.9	.0597	.7242	18.40.5	C	8 12 „
5	24.846	20.18	79.6	27.20	80.0	.0577	.7244	18.41.0	R	9 12 „
6	24.159	20.42	78.7	27·13	79.2	.0617	.7236	18.40.0	R	10 12 „
7	25.189	20.38	78.2	27.09	78.9	.0610	.7232	18.40.0	R	11 12 „
8	25.189	20.54	78.0	27.16	78.6	.0637	.7243	18.40.1	R	Midnight.
9	24.914	20.63	77.6	27.17	78.4	.0651	.7241	18.39.8	B	1 12 a. m.
10	24.776	20.67	77·7	27.19	78.0	·0658	.7243	18.39.8	B	2 12 „
11	24.639	20.65	77.5	27·21	77.8	·0654	.7245	18.40.0	B	3 12 „
12	24.295	20.50	77.3	27.23	77.7	.0630	.7247	18.40.4	B	4 12 „
13	24.639	20.58	76.9	27.27	77.7	.0643	.7252	18.40.4	C	5 12 „
14	24.502	20·72	76.8	27.30	77.5	.0666	.7255	18.40.2	C	6 12 „
15	23.953	20.65	76.2	27.40	76.7	.0654	.7266	18.40.7	C	7 12 „
16	23.746	20.86	77.0	27.49	77.0	.0689	·7276	18.40.6	C	8 12 „
17	24.983	21.12	78.0	27.51	77.0	.0731	.7278	18.40.2	R	9 12 „
18	26.355	21.44	79.2	27.33	77.5	.0785	.7258	18.38.7	R	10 12 „
19	25·257	21.59	80.4	27.06	78.5	.0809	.7229	18·37.3	R	11 12 „
20	25·532	21.68	81.6	27.09	79.5	.0823	.7232	18.37.2	R	Noon.
21	26·218	21.65	83·3	26.97	80.8	.0818	.7219	18.36.7	B	1 12 p. m.
22	25.943	21.54	84.4	26.83	81.8	.0801	.7203	18.36.4	B	2 12 „
23	25.189	21.23	84.7	26.82	82.4	.0750	.7202	18.36.9	B	3 12 „
Dec. 3RD-Noon.	25.532	20.96	84.0	27.00	82·6	.0705	.7222	18.38.3	B	4 12 „
1	25·394	20.91	83.2	26.97	82.3	.0697	.7221	18.38.4	C	5 12 „
2	25.189	20.74	81.9	27.06	81.9	.0670	.7229	18.39.1	C	6 12 „
3	25.189	20.52	81.5	27.09	81.5	·0633	.7232	18.39.7	C	7 12 „
4	24.914	20.37	80.8	27.13	81.0	.0609	.7236	18.40·2	C	8 12 „
5	24.846	20.25	80.3	27.17	80.4	.0589	.7241	18.40.6	R	9 12 „
6	24.914	20.52	79.7	26.85	80·0	.0633	.7208	18.39.8	R	10 12 „
7	25.120	20.38	78.8	26.88	79.4	.0610	.7209	18.39.1	R	11 12 „
8	25.326	20.54	78.4	26.96	78.8	.0637	.7218	18.39.1	R	Midnight.
9	25.532	20.47	78.7	27.12	79.0	.0626	.7235	18.39.9	B	1 12 a. m.
10	25.532	20.35	78.3	27.11	78.6	.0605	.7234	18.40.1	B	2 12 „
11	25.189	20.68	78.2	27·11	78.5	.0659	.7234	18.39.4	B	3 12 „

On the 30th, at about 19h. 45m., Deflection Observations were taken.

DAILY OBSERVATIONS, FROM 3RD TO 5TH DECEMBER 1860.

Date. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. — In English Units.	Absolute Vertical Force. — In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1860.
h.										h. m.
Dec. 3rd—12	25·189	20.61	78°0	27.13	78°2	8.0648	2.7236	18°39′6	B	4 12 a.m.
13	24.639	20.48	77.1	27.14	78.0	.0627	.7237	18.40.8	C	5 12 „
14	24.639	20.58	77.0	27.13	77.8	.0643	.7236	18.39.8	C	6 12 „
15	24.021	20.63	77.1	27.11	77.5	.0659	.7234	18.39.4	C	7 12 „
16	24.619	21.25	78.0	27.17	77.7	.0753	.7241	18.38.5	C	8 12 „
17	25.532	21.41	79.0	27.14	78.0	.0780	.7237	18.38.1	R	9 12 „
18	25.526	21.76	80.0	26.86	78.5	.0837	.7207	18.36.1	R	10 12 „
19	24.363	21.72	81.4	26.69	79.5	.0830	.7188	18.35.4	R	11 12 „
20	24.502	21.74	82.5	26.71	80.4	.0834	.7190	18.35.5	R	Noon.
21	25.120	21.62	83.6	26.78	81.1	.0813	.7198	18.36.1	B	1 12 p.m.
22	25.257	21.47	84.1	26.81	81.9	.0790	.7201	18.36.4	B	2 12 „
23	25.326	21.25	84.1	26.86	82.5	.0753	.7207	18.37.2	B	3 12 „
Dec. 4th-Noon.	25·189	20.94	83.5	26.83	82.7	.0702	.7203	18.37.7	B	4 12 „
1	24.914	20.81	82.6	26.93	82.7	.0681	.7214	18.38.4	C	5 12 „
2	24.776	20.80	81.8	27.06	81.9	.0679	.7229	18.39.0	C	6 12 „
3	25.120	20.60	81.0	27.10	81.5	.0646	.7233	18.39.5	C	7 12 „
4	25.051	20.58	80.8	27.08	81.0	.0643	.7231	18.39.6	C	8 12 „
5	25.051	20.54	80.2	27.06	80.3	.0637	.7229	18.39.5	R	9 12 „
6	25.189	20.36	79.2	27.00	80.0	.0607	.7222	18.39.6	R	10 12 „
7	25.189	20.44	78.5	26.88	79.2	.0621	.7209	18.38.9	R	11 12 „
8	25.394	20.44	78.0	26.86	78.8	.0621	.7207	18.38.9	R	Midnight.
9	25.394	20.35	77.5	26.96	78.5	.0605	.7218	18.39.5	B	1 12 a.m.
10	25.257	20.45	77.9	26.98	78.5	.0622	.7220	18.39.4	B	2 12 „
11	25.051	20.43	77.8	26.99	78.1	.0619	.7221	18.39.4	B	3 12 „
12	25.532	20.45	77.4	27.04	78.0	.0622	.7226	18.39.6	B	4 12 „
13	24.914	20.51	77.0	26.99	77.9	.0632	.7221	18.39.3	C	5 12 „
14	24.363	20.67	76.8	26.98	77.6	.0658	.7220	18.38.9	C	6 12 „
15	24.363	20.57	76.8	27.02	77.2	.0642	.7224	18.39.3	C	7 12 „
16	24.707	20.75	77.8	27.10	77.6	.0671	.7233	18.39.3	C	8 12 „
17	24.846	21.10	78.9	26.93	77.7	.0728	.7214	18.37.7	R	9 12 „
18	24.707	21.28	79.9	26.64	78.1	.0758	.7182	18.36.0	R	10 12 „
19	24.159	21.50	81.1	26.69	78.9	.0794	.7188	18.35.9	R	11 12 „
20	25.189	21.55	82.2	26.83	80.0	.0802	.7203	18.36.4	R	Noon.
21	25.600	21.63	83.8	26.90	81.5	.0815	.7189	18.35.5	B	1 12 p.m.
22	25.600	21.41	84.5	26.86	82.0	.0780	.7207	18.36.9	B	2 12 „
23	25.669	21.06	84.5	26.83	82.6	.0722	.7203	18.37.0	B	3 12 „
Dec. 5th-Noon.	25.051	20.91	83.9	26.84	83.0	.0697	.7204	18.37.7	B	4 12 „
1	24.363	20.88	83·1	26.87	83.0	.0692	.7208	18.38.0	C	5 12 „
2	24.369	20.77	81.9	27.04	82.1	.0675	.7226	18.38.9	C	6 12 „
3	24.843	20.60	81.1	27.05	81.5	.0646	.7228	18.39.3	C	7 12 „
4	25.051	20.54	80.8	26.98	80.8	.0637	.7221	18.39.2	C	8 12 „
5	24.983	20.40	80.0	26.94	80.0	.0614	.7215	18.39.4	R	9 12 „
6	25.189	20.30	79.1	26.99	79.6	.0597	.7221	18.39.7	R	10 12 „
7	25.326	20.31	78.4	26.97	79.0	.0599	.7219	18.39.6	R	11 12 „
8	25.326	20.24	78·0	26·96	78.7	.0588	.7218	18·39.7	R	Midnight.
9	25.326	20.43	78.0	27.10	78.4	.0619	.7233	18.39.9	B	1 12 a.m.
10	25.532	20.29	77.7	27.19	78.1	.0596	.7243	18.40.6	B	2 12 „
11	25·669	20·32	77.6	27.16	78.0	.0600	.7240	18.40.5	B	3 12 „
12	25.943	20.25	77.2	27.19	77.9	.0589	.7243	18.40.7	B	4 12 „
13	25.669	20.32	76.6	27.12	77·4	.0600	.7235	18.40.3	C	5 12 „
14	25.532	20·35	76.1	27.21	76.9	.0605	.7245	18.40.6	C	6 12 „
15	25.326	20.45	76.4	27.26	76·8	.0622	.7251	18.40.6	C	7 12 „
16	25.257	20.70	77.2	26.99	77.1	.0663	.7221	18.38.9	C	8 12 „
17	25.189	20.68	78.2	27.13	77.1	.0659	.7236	18.39.5	R	9 12 „
18	24.707	21.18	79.6	26.94	78.0	.0741	.7215	18.37.7	R	10 12 „
19	24.159	21.23	80.5	26.86	78.7	.0750	.7207	18.37.2	R	11 12 „
20	23.953	21.43	82.0	26·90	80.0	.0783	.7211	18.37.0	R	Noon.
21	24.432	21.44	83.5	26.98	81.0	.0785	.7221	18.37.2	B	1 12 p.m.
22	24.226	21.26	83.6	26.90	81.6	.0755	.7211	18.37.2	B	2 12 „
23	24.090	21.23	84.0	26.87	82.3	.0750	.7208	18.37.2	B	3 12 „

On the 3rd, at about 19h., Dip as obtained by Observation was 19°09′4.

DAILY OBSERVATIONS, FROM 6TH TO 9TH DECEMBER 1860.

DATE. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. — In English Units.	Absolute Vertical Force. — In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1860.
h.										h. m.
DEC. 6TH-Noon.	23·953	21.04	83·5	26.84	82·8	8.0719	2.7204	18°07′4	B	4 12 p. m.
1	24.363	20.88	82.4	27.04	82.6	.0692	.7226	18.38.7	C	5 12 ,,
2	24.639	20.85	81.8	27.05	81.8	.0687	.7228	18.38.8	C	6 12 ,,
3	24.363	20.64	81.1	27.03	81.1	.0653	.7225	18.39.3	C	7 12 ,,
4	23.953	20·53	80.6	27.02	80.6	·0635	.7224	18.39.3	C	8 12 ,,
5	25.120	20.41	79.6	27.04	80.0	.0616	.7226	18.39.6	R	9 12 ,,
6	24.639	20.32	78.7	26.89	79.5	.0600	.7210	18·39.3	R	10 12 ,,
7	24.776	20.35	78.1	26.87	79.0	.0605	.7208	18.39.1	R	11 12 ,,
8	25.051	20.40	77.8	26.96	78.6	.0614	.7218	18.39.5	R	Midnight.
9	24.639	20·59	77.8	26.98	78.5	.0645	.7220	18.39·0	B	1 12 a. m.
10	24.707	20.64	78.0	27.05	87.3	.0653	.7228	18.39.0	B	2 12 ,,
11	24.983	20.60	77.5	27.06	78.1	.0646	.7229	18.39.0	B	3 12 ,,
12	24.639	20.61	77.3	27.01	77·8	.0648	.7223	18.39.1	B	4 12 ,,
13	24.846	20·66	76.9	27.05	77.6	.0656	·7225	18.39.1	C	5 12 ,,
14	24.846	20.72	76.9	27.08	77·5	.0666	.7231	18.39.2	C	6 12 ,,
15	23.746	20.76	77.0	27.14	77.3	.0673	.7237	18.39.5	C	7 12 ,,
16	24.914	20.94	78.0	27.15	77.5	.0702	.7239	18.39.1	C	8 12 ,,
17	25.257	21.29	79.4	27.08	78.0	.0760	.7231	18.38.0	R	9 12 ,,
18	25.875	21.42	80.5	26.98	78.7	.0781	.7220	18.37·4	R	10 12 ,,
19	25.326	21.61	82.0	26.80	80.0	.0812	.7200	18.36.4	R	11 12 ,,
20	25.394	21.64	83.0	26·78	81.0	.0817	.7198	18.35.9	R	Noon.
21	26.080	21.54	84.3	26.81	82.0	·0801	.7201	18.36.3	B	1 12 p. m.
22	26.286	21.25	85.1	26·64	83.1	.0753	.7182	18.36.1	B	2 12 ,,
23	24.983	21.18	85·5	26.39	83.6	.0741	.7155	18.35.4	B	3 12 ,,
DEC. 7TH-Noon.	23.884	21.15	84.8	26.56	83.6	.0736	.7174	18.36.0	B	4 12 ,,
1	24.021	20.90	83.1	26.80	83.2	.0695	.7200	18.37.6	C	5 12 ,,
2	24.363	20.81	82.0	26.96	82.5	.0681	.7218	18.38.6	C	6 12 ,,
3	24.914	20.66	81.1	26.95	81.6	.0656	.7217	18.38.8	C	7 12 ,,
4	24.983	20.68	81.0	26.94	81.4	.0659	.7215	18.38.7	C	8 12 ,,
5	24.983	20.57	80.4	26.92	80·5	.0642	.7213	18.38.9	R	9 12 ,,
6	24.846	20.56	79.7	26.90	80.0	.0640	.7211	18.38.8	R	10 12 ,,
7	25.051	20.52	79.0	26.90	79.5	.0633	.7211	18.38·9	R	11 12 ,,
8	24.776	20.51	78.4	26.97	79·0	.0632	.7219	18.39.2	R	Midnight.
9	24.983	20.63	78.2	27.25	79.0	.0651	.7250	18.40·2	B	1 12 a. m.
10	24.846	20.54	78.2	27·32	78.5	.0637	.7257	18·40.7	B	2 12 ,,
11	24.776	20.49	77.6	27.29	78.1	.0629	.7254	18.40.6	B	3 12 ,,
12	24.707	20.51	77.4	27.29	77.9	.0632	.7254	18.40.6	B	4 12 ,,
13	24.846	20.56	77.0	27.29	77.6	.0640	.7254	18.40.5	C	5 12 ,,
14	24.983	20.68	77.0	27·15	77.5	.0659	·7239	18.39.6	C	6 12 ,,
15	24.432	20.76	77.0	27.10	77.4	.0673	.7233	18.39.3	C	7 12 ,,
16	25.463	21.09	78.0	27.19	77.9	.0727	.7243	18.38·9	C	8 12 ,,
17	25.875	21.37	78.7	26.94	78.0	.0773	.7220	18.37.5	R	9 12 ,,
18	25.326	21.59	80.1	26.76	78.5	.0809	.7185	18.35.6	R	10 12 ,,
19	24.159	21.61	81.5	26.48	79.7	.0812	.7165	18.34.8	R	11 12 ,,
20	23.609	21.62	83.2	26.51	81.0	·0813	.7168	18.34.9	R	Noon.
21	24.432	21.59	84.6	26.63	82.5	.0809	.7181	18.35.4	B	1 12 p. m.
22	24.502	21.50	85.6	26.66	83.6	.0794	.7185	18.35.8	B	2 12 ,,
23	24.570	21.38	86.5	26.78	84.3	.0774	.7198	18·36.6	B	3 12 ,,
DEC. 9TH-Noon.	24.914	21.27	85.4	26.56	84.8	.0757	.7174	18.35.7	C	4 12 ,,
1	24.502	21.25	84.7	26.64	84·5	.0753	.7182	18.36.1	C	5 12 ,,
2	24.639	20·91	83.2	26.85	83.6	.0697	·7206	18·37.8	C	6 12 ,,
3	25.120	20.52	82.7	26.89	83.0	.0633	.7210	18.38.9	C	7 12 ,,
4	25.943	20.00	82.2	26.92	82·7	.0548	.7213	18.40.0	C	8 12 ,,
5	25.532	19.78	82.0	26.93	82.0	.0512	·7214	18.40.6	R	9 12 ,,
6	25.189	19.57	81.5	26.84	81.4	.0478	.7204	18.40.6	R	10 12 ,,
7	25.806	20.23	81.3	27.14	81.4	.0586	.7237	18.40.5	R	11 12 ,,
8	25.532	20·28	80.7	26·93	81.0	0594	.7214	18.39.5	R	Midnight.
9	25.532	20.37	80.1	26.98	81.0	.0609	.7220	18.39.6	B	1 12 a. m.
10	25.532	20.46	79.9	27.17	80.6	.0624	·7241	18.40.2	B	2 12 ,,
11	25·394	20.41	79.5	27.16	80.2	.0616	.7240	18.40.2	B	3 12 ,,

On the 6th, at about 19h. 55m., Dip as obtained by Observation was 19°00′0.
On the 7th, at about 19h. 30m., Deflection Observations were taken.

DAILY OBSERVATIONS, FROM 9TH TO 11TH DECEMBER 1860.

Date. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1860.
h.										h. m.
DEC. 9TH—12	24·914	20.43	79·1	27.06	80·0	8.0619	2.7229	18°39·7	B	4 12 a. m.
13	25.189	20.36	78.6	27.08	79.4	.0607	.7231	18.40.0	C	5 12 „
14	24.570	20.34	78.3	27.18	79.3	.0604	.7242	18.40.5	C	6 12 „
15	24.159	20.45	78.6	27.17	79.0	.0623	.7241	18.40.2	C	7 12 „
16	24.159	20.83	79.6	27.23	79·5	.0684	.7247	18.39.8	C	8 12 „
17	23.953	21.07	80.4	27.29	79.7	.0724	.7254	18.39.4	R	9 12 „
18	24.021	21.87	81.5	27.10	80.0	.0855	·7233	18.36.8	R	10 12 „
19	23.130	21.79	83.0	27.13	81.0	.0842	.7236	18.37.2	R	11 12 „
20	23.130	22.08	84.4	27.08	82.0	.0889	.7231	18.36.3	R	Noon.
21	23.540	21.81	85.5	26.90	83.4	.0845	.7211	18.36.0	B	1 12 p. m.
22	25.257	21.43	86.8	26.99	84.8	.0783	.7221	18.37.4	B	2 12 „
23	24.707	21.40	87·3	26.91	85.2	.0778	.7212	18.37.0	B	3 12 „
DEC. 10TH-Noon.	24·707	21·13	85.5	27.02	84.8	.0733	.7224	18.38.1	B	4 12 „
1	24.707	20.65	85.0	26.97	84.1	·0654	.7219	18.38.9	C	5 12 „
2	24.914	20.16	82.7	27.10	83.3	.0574	.7233	18.40.6	C	6 12 „
3	26.766	18.78	82.0	27.28	82.6	·0345	.7253	18.44.2	C	7 12 „
4	26.766	19.01	81.7	27·07	82.3	.0386	.7230	18.42.8	C	8 12 „
5	26.698	19.28	81.3	27.95	81.7	.0430	·7327	18.46.1	R	9 12 „
6	26.972	19.23	81.0	27.72	81.1	.0422	.7301	18.45.1	R	10 12 „
7	26.218	19.29	80.8	27.73	81.0	·0432	.7302	18.45.0	R	11 12 „
8	26.561	19.20	80.0	27.62	80.6	.0417	.7290	18.44.7	R	Midnight.
9	25.394	19.90	80.2	27.72	80.6	.0531	.7301	18.43.7	B	1 12 a. m.
10	26.218	19.76	79.5	27.76	80.4	.0509	.7306	18.44.2	B	2 12 „
11	24.983	19·52	79.1	27.75	80.0	·0469	.7305	18.44.7	B	3 12 „
12	24.159	19.59	79.1	27.64	79.6	.0481	.7292	18.44.0	B	4 12 „
13	23.953	19.33	78.3	27.60	79.1	.0422	.7288	18.44.6	C	5 12 „
14	23.060	19.37	78·0	27.71	79.0	.0429	.7300	18.45.0	C	6 12 „
15	23.130	19.49	78.0	27·71	78.7	.0465	.7300	18.44.5	C	7 12 „
16	24.502	19.63	78.8	27.91	79.0	.0487	.7322	18.45.0	C	8 12 „
17	24.363	20.22	79.6	27.91	79.0	.0584	.7322	18.43.9	R	9 12 „
18	27.178	19.22	80.7	28.05	79.6	.0420	.7338	18.46.6	R	10 12 „
19	26.012	19.10	82.0	27.69	80.3	.0400	.7298	18.45.3	R	11 12 „
20	26.012	19.44	83.3	27.67	81.5	.0457	.7296	18.44.4	R	Noon.
21	25.875	19.41	85.0	27.64	83.0	.0452	.7292	18.44.3	B	1 12 p. m.
22	25.600	19.00	85.2	27.62	83.2	.0384	.7290	18.45.3	B	2 12 „
23	25.875	18·63	84.7	27.59	83.5	.0323	.7287	18.45.9	B	3 12 „
DEC. 11TH-Noon.	25.806	18.49	83.9	27.59	83.5	.0301	.7287	18.46.2	B	4 12 „
1	25.806	18.45	83.0	27.60	83.3	.0294	.7288	18.46.3	C	5 12 „
2	26.492	18.78	82.1	27.78	82.6	.0348	.7308	18.46.3	C	6 12 „
3	27.178	18.83	81.5	27.86	82.1	.0356	.7317	18.46.6	C	7 12 „
4	26.766	18·83	81·0	27.85	81.6	.0356	.7316	18.46.5	C	8 12 „
5	27.041	18·94	80.8	27.88	81.0	.0374	.7319	18.46.5	R	9 12 „
6	26.904	19.16	80.4	27.86	80.6	.0410	.7317	18.46.0	R	10 12 „
7	26.904	19.18	79.6	27.86	80.3	.0413	.7317	18.46.0	R	11 12 „
8	25.669	19.46	79.8	27.85	80.0	.0460	.7316	18.45.2	R	Midnight.
9	25.669	19.45	79.7	27.90	80.0	.0458	.7321	18.45.4	B	1 12 a. m.
10	25.532	19.53	79.4	27.77	79.8	.0471	·7307	18.44.8	B	2 12 „
11	25.532	19.83	59.1	27.77	79.6	.0520	.7307	18.44.1	B	3 12 „
12	25.669	19.88	78.8	27·78	79.3	.0523	.7308	18.44.0	B	4 12 „
13	24.846	19.88	78.6	27.81	79.0	.0528	.7311	18.44.1	C	5 12 „
14	24.914	19·91	78.1	27.86	78.8	.0533	.7317	18.44.4	C	6 12 „
15	24.502	20.09	78.0	27.84	78.6	.0563	.7314	18.44.0	C	7 12 „
16	24.983	20.46	78.7	28.26	78.6	.0524	.7361	18.44.8	C	8 12 „
17	25.875	20.80	79.7	28.20	78.9	.0679	.7354	18.43.9	R	9 12 „
18	26.218	21.06	81·0	28.04	79.5	.0722	.7336	18.42.6	R	10 12 „
19	25.532	21.19	82.6	27.86	80.3	.0743	·7317	18.41.7	R	11 12 „
20	25.737	21.06	83.4	27.89	81.2	.0722	.7320	18.42·0	R	Noon.
21	26.012	20.98	84.5	27.90	82.5	.0708	.7321	18.42.2	B	1 12 p. m.
22	25.737	20.71	84.9	27.84	83·0	.0665	·7314	18.42.5	B	2 12 „
23	25.532	20.44	84.9	27.85	83.4	.0621	.7316	18.43.1	B	3 12 „

On the 10th, at about 20h., Dip as obtained by Observation was 18°59·4.

DAILY OBSERVATIONS, FROM 12TH TO 14TH DECEMBER 1860.

DATE. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1860.
h.										h. m.
DEC. 12TH-Noon.	25·600	20.21	84°3	27.89	83°5	8.0583	2.7320	18°43·9	B	4 12 p. m.
1	25.326	20.13	83.0	27.81	83.1	.0569	.7311	18.43.6	C	5 12 „
2	25.257	20.09	82.2	28.00	82.5	.0563	·7332	18.44.5	C	6 12 „
3	25·532	19.92	81.8	28.06	81.9	.0534	·7339	18.45.2	C	7 12 „
4	25.532	19.85	81.4	28.06	81.9	.0523	.7339	18.45.3	C	8 12 „
5	25.532	19.91	84.2	28.03	81.0	.0533	.7335	18.45.1	R	9 12 „
6	25.532	19.93	81.0	28.01	81.0	.0536	.7333	18.44.9	R	10 12 „
7	25.532	19·94	80.8	28.02	80.7	.0538	.7334	18.44.9	R	11 12 „
8	25.463	20.01	80.6	28.02	80·5	.0550	.7334	18.44.7	R	Midnight.
9	25.463	20.01	80.4	28.03	80.4	.0550	.7335	18·44.8	B	1 12 a. m.
10	25.463	19.92	80.2	28.06	80.4	.0534	.7339	18.45.2	B	2 12 „
11	25.257	19.91	79.8	28.06	80·3	.0533	.7339	18·45.2	B	3 12 „
12	25.051	20.03	79.4	28.08	80.0	.0553	.7341	18.45.0	B	4 12 „
13	24.776	20.01	79.2	28.05	79·9	.0550	.7338	18·44.9	C	5 12 „
14	24.502	20.14	79.1	28.07	79.6	.0571	.7340	18.44.8	C	6 12 „
15	24.502	20.14	79.0	28.07	79.1	.0571	.7340	18.44.8	C	7 12 „
16	25.737	20.51	79.5	28.18	79.4	.0632	.7352	18.44.4	C	8 12 „
17	26.698	20.56	79.4	28.08	79.4	.0640	.7341	18.43.9	R	9 12 „
18	27.109	20.75	80.0	27.91	79.5	.0671	.7322	18.42.7	R	10 12 „
19	26.149	20.97	81.0	27.76	80.0	.0707	.7306	18.41.6	R	11 12 „
20	25.669	20.87	81.4	27.87	80.5	.0691	.7318	18.42.3	R	Noon.
21	26.286	20.58	81.5	27.98	81.0	.0645	.7330	18.43.5	B	1 12 p. m.
22	26.561	20.46	81.5	27.89	81.3	.0624	.7320	18.43.3	B	2 12 „
23	26.561	20.26	81.4	27.88	81·3	.0591	.7314	18.43.4	B	3 12 „
DEC. 13TH-Noon.	26.492	20.22	80.6	27.81	81.1	.0584	.7311	18.43.5	B	4 12 „
1	25.051	20.20	79.7	27.76	80.4	.0581	.7306	18.43.3	C	5 12 „
2	25.532	20·00	78.9	27.87	79.8	.0548	.7318	18.44.1	C	6 12 „
3	25.669	19.96	78.4	27.98	79.2	.0541	.7330	18.44.8	C	7 12 „
4	25.532	19.95	78.2	27.97	79.0	.0539	.7329	18·44.7	C	8 12 „
5	25.189	19.94	78.0	27.96	78.5	.0538	.7328	18.44.7	R	9 12 „
6	25.189	19.97	77.8	27.96	78.5	.0543	.7328	18.44.7	R	10 12 „
7	24.983	20.09	77.7	27.99	78.4	.0563	·7331	18.44.5	R	11 12 „
8	25.051	20.08	77.6	27.99	78.0	.0561	.7331	18.44.5	R	Midnight.
9	25.189	20.15	77.4	28.09	78.0	.0572	.7342	18.44.8	B	1 12 a. m.
10	25.051	20.28	77·4	28.12	78.0	.0594	.7345	18.44.7	B	2 12 „
11	24.914	20.20	77.5	28.19	77·9	.0581	.7353	18·45.2	B	3 12 „
12	24·639	20.26	77.2	28.11	77.6	.0591	.7344	18.44.6	B	4 12 „
13	24.639	20.14	76.8	28.10	77.4	.0571	.7343	18.44.9	C	5 12 „
14	24.226	20.29	76.5	28.11	77.0	.0596	.7344	18.44.5	C	6 12 „
15	24.639	20.37	76.6	28.16	77.0	.0609	.7350	18.44.7	C	7 12 „
16	25.737	20.61	77.0	28.18	77.0	.0648	·7352	18.44.1	C	8 12 „
17	26.080	20.87	77.9	28.02	77.2	.0691	.7334	18.42.9	R	9 12 „
18	25.394	21.21	79·4	27.69	78.0	.0747	.7298	18·40.7	R	10 12 „
19	24.502	21.43	81.0	27.37	79.0	.0785	.7263	18.39.0	R	11 12 „
20	23.953	21.31	81.5	27.54	79.5	.0763	.7281	18.39.9	R	Noon.
21	24.639	21.04	81.6	27.58	80.0	.0719	.7286	18.40.6	B	1 12 p. m.
22	25.051	20.82	82·1	27.84	80.5	.0682	·7314	18.42.3	B	2 12 „
23	25.120	20.74	82.1	27.72	80.6	.0670	.7301	18.41.9	B	3 12 „
DEC. 14TH-Noon.	25.051	20.49	81.0	27.74	80.6	.0629	.7303	18.42·5	B	4 12 „
1	24.502	20.48	79.9	27.79	80.4	.0627	.7309	18.42.7	C	5 12 „
2	24.846	20.32	79.1	27.89	79·7	.0600	.7320	18.43.6	C	6 12 „
3	25.120	20.30	78.9	27.98	79.2	.0597	.7330	18.44.0	C	7 12 „
4	25.189	20.32	78.7	27.97	79.0	.0600	·7329	18.43.9	C	8 12 „
5	25.189	20.26	78·5	27·96	78.7	.0591	.7328	18.44.0	R	9 12 „
6	24·776	20.20	78.2	27.96	78.5	.0581	.7328	18.44.2	R	10 12 „
7	24.846	20.24	78.0	28.00	78.2	.0588	.7332	18.44·1	R	11 12 „
8	24.983	20.32	77.9	27.54	78.0	.0600	.7281	18.42.0	R	Midnight.
9	25.326	20.28	77.5	27.64	78.0	.0594	.7292	18.42.5	B	1 12 a. m.
10	25.189	20.11	77.3	27.62	78.0	.0566	.7290	18.43.8	B	2 12 „
11	24.983	20.06	77.3	27.55	77.8	.0548	.7280	18.42.6	B	3 12 „

DAILY OBSERVATIONS, FROM 14TH TO 17TH DECEMBER 1860.

Date. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1860.
h.										h. m.
Dec. 14th—12	24·707	20.23	77·4	27.55	77·8	8.0586	2.7283	18°42′2	B	4 12 a. m.
13	24.363	20.22	77.6	27.53	77.7	.0584	.7280	18.42.2	C	5 12 „
14	24.226	20.34	77.1	27.55	77.6	.0604	.7283	18.42.1	C	6 12 „
15	24.159	20.36	77.3	27.61	77.7	·0607	.7189	18.42.2	C	7 12 „
16	25.189	20.69	77.7	27.58	77.7	.0661	.7286	18.41.4	C	8 12 „
17	25.326	21.00	78.7	27.34	78.0	.0712	.7269	18.39.8	R	9 12 „
18	24·570	21.36	80.1	27.22	78.7	.0771	.7246	18.38.5	R	10 12 „
19	23.816	21.49	81.6	27.11	79.5	.0793	.7234	18.37.7	R	11 12 „
20	24.363	21.26	82.0	27.25	80.0	.0755	.7250	18·38.8	R	Noon.
21	24.707	21.04	82.3	27.27	80·5	.0719	.7252	18.39.3	B	1 12 p. m.
22	24.707	20.96	82.5	27.29	81.2	.0705	.7254	18.39.6	B	2 12 „
23	24.846	20.87	82.5	27.37	81.3	.0691	.7263	18.40.1	B	3 12 „
Dec. 16th-Noon.	25.737	20.22	85.0	27.31	84.5	.0581	.7256	18.41.4	C	4 12 „
1	25.257	19.91	83.6	27.41	83.7	.0533	.7267	18.42.4	C	5 12 „
2	25.463	20.20	82.9	27.47	83.0	.0581	.7274	18.42.0	C	6 12 „
3	25.532	19.75	82.5	27.55	82.9	.0507	.7283	18.44.3	C	7 12 „
4	25.737	19.66	82.0	27.57	82.4	.0492	·7285	18.43.6	C	8 12 „
5	25.669	19.73	81.5	27.46	82.0	.0504	.7273	18.43.0	R	9 12 „
6	25.394	20.20	81.4	27.45	81.6	.0581	.7272	18.41.9	R	10 12 „
7	26.286	19.53	81.0	27.53	81.0	.0471	.7280	18.43.7	R	11 12 „
8	26.972	19.18	80.7	27.53	81.0	.0413	.7280	18.44.5	R	Midnight.
9	26.355	19·11	80.5	27.51	80·9	.0405	.7278	18.44.4	B	1 12 a. m.
10	25.532	19.50	80.0	27.44	80.6	.0466	.7280	18.43.7	B	2 12 „
11	25.326	19.59	79.5	27.52	80.5	.0481	.7279	18.43.5	B	3 12 „
12	25.463	19.62	79.5	27.61	80.2	·0485	.7289	18.43.7	B	4 12 „
13	25.875	19.49	79.1	27.55	79·9	.0465	.7283	18.43.8	C	5 12 „
14	25.189	19.67	78.3	27.57	79.6	.0492	.7285	18.43.6	C	6 12 „
15	25.394	19.53	78.8	27.62	79.3	.0471	.7290	18.44.1	C	7 12 „
16	26.149	19.81	79.4	27.67	79.5	.0517	.7296	18.43.6	C	8 12 „
17	27.041	19.90	80.3	27.49	79.7	.0531	.7276	18.42.7	R	9 12 „
18	26.286	20·24	81.7	27.23	80.2	.0588	.7247	18.40·8	R	10 12 „
19	24.707	20.33	83.0	26.93	81.0	.0602	.7210	18.39.3	R	11 12 „
20	24·639	20.39	84.3	27.06	82·1	.0612	.7229	18.39.9	R	Noon.
21	24.983	20·57	84.4	27.33	82.6	.0642	.7258	18.40.7	B	1 12 p. m.
22	25.875	20.70	84.7	27.45	83.2	.0663	·7272	18.40.8	B	2 12 „
23	26.149	20.39	85.0	27.49	83·6	.0612	.7276	18·41.7	B	3 12 „
Dec. 17th-Noon.	26.286	20.17	84.6	27.39	83.8	.0576	·7265	18.41.7	B	4 12 „
1	25.326	19.89	83.7	27.41	83.5	.0530	.7267	18.42.4	C	5 12 „
2	25.189	20.00	82.9	27.38	83.4	.0548	.7264	18.41.9	C	6 12 „
3	25.189	19.94	82·6	27·43	82·9	.0538	.7269	18.42.3	C	7 12 „
4	24.983	19.78	82.1	27.43	82.5	.0512	.7269	18.42.7	C	8 12 „
5	24.983	19.71	81.7	27.46	82.0	.0501	.7273	18.43.0	R	9 12 „
6	24·846	19.78	81.3	27.45	81.5	.0512	.7272	18.42.8	R	10 12 „
7	24.983	19.76	80.5	27.53	81.0	.0509	.7280	18.43.2	R	11 12 „
8	24·846	19.70	80.0	27.52	80.6	.0499	.7279	18.43.2	R	Midnight.
9	24.983	19.84	80.0	27.57	80.5	.0522	.7285	18.43.2	B	1 12 a. m.
10	24.846	19.90	80.0	27.57	80.5	.0531	.7285	18.43.1	B	2 12 „
11	25.051	19.85	79.8	27.64	80.5	.0523	.7292	18.43.4	B	3 12 „
12	25·257	19.88	79.4	27.63	80.2	.0528	.7291	18.43.3	B	4 12 „
13	25.257	20.34	79.1	27.63	80.0	.0604	.7297	18.42.7	C	5 12 „
14	26.080	19.90	78.9	27.70	79.9	.0531	.7299	18·43.6	C	6 12 „
15	25·532	19.82	79.0	27.57	79·6	.0518	.7285	18.43.2	C	7 12 „
16	25.532	20.13	79.9	27.50	79.9	·0569	.7277	18.42.3	C	8 12 „
17	26.218	20.33	81.0	27.20	80.0	.0602	·7244	18.40.6	R	9 12 „
18	25.394	20.66	82·0	26·92	80.5	.0656	.7213	18.38.6	R	10 12 „
19	23.609	20.76	83.3	26.79	81.4	.0673	.7199	18.37.9	R	11 12 „
20	23.540	20.93	84.5	26.86	82.1	.0700	.7206	18.37.8	R	Noon.
21	24·432	20.70	84.5	27.08	82·5	.0663	.7231	18.39.3	B	1 12 p. m.
22	25.189	20.54	84.6	27.10	83.2	.0637	·7233	18.39.7	B	2 12 „
23	26.286	20.48	84.3	27·40	83.2	.0627	.7266	18.41.0	B	3 12 „

On the 14th, at about 19h., Deflection Observations were taken.

DAILY OBSERVATIONS, FROM 18TH TO 20TH DECEMBER 1860.

Date. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1860.
h.										h. m.
Dec. 18th-Noon.	26·286	20.34	83·6	27.40	83·3	8.0604	2.7266	18°41′4	B	4 12 p. m.
1	25.326	20·20	82.8	27.36	82.9	.0581	.7262	18.41.5	C	5 12 „
2	25.326	20.00	82.1	27.43	82.6	.0548	.7269	18.42.1	C	6 12 „
3	25.532	19.97	81.8	27·51	82.0	.0543	.7278	18.42.7	C	7 12 „
4	25·120	19.92	81.5	27.43	81.9	.0534	.7269	18.42.4	C	8 12 „
5	24.983	19.94	81.2	27.48	81·1	.0538	.7275	18.42.6	R	9 12 „
6	24.846	19.99	80.8	27.45	81.0	.0546	.7272	18.42.2	R	10 12 „
7	25.189	19.99	80.5	27.78	81.0	.0546	.7308	18.43.7	R	11 12 „
8	24·846	20.05	80.0	27.81	80.9	.0556	.7311	18.43.7	R	Midnight.
9	24.846	20.13	80.1	27.68	81.0	.0569	·7297	18.43.1	B	1 12 a. m.
10	24.846	20.07	80.1	27.71	81.0	.0560	.7300	18.43.3	B	2 12 „
11	25.180	20.01	79.9	27·68	80.7	.0550	.7297	18.43.3	B	3 12 „
12	25.326	19.87	79.5	27.72	80.5	.0527	.7301	18.43.7	B	4 12 „
13	25.120	19.99	79.2	27.75	80.3	.0546	.7305	18.43.6	C	5 12 „
14	25.943	19.88	79.2	27.81	80.2	.0525	.7311	18.44.1	C	6 12 „
15	25.943	20.03	79.5	27.85	80.0	.0553	·7316	18.44.0	C	7 12 „
16	26.286	20.05	79.8	27.84	80.0	.0556	.7314	18.43.8	C	8 12 „
17	26.423	20.20	80.0	27.70	80.0	.0581	.7299	18.43.0	R	9 12 „
18	25·120	20.62	81.8	27.37	80.6	.0649	.7265	18.40.7	R	10 12 „
19	24.090	20.86	83.4	27.29	81.7	.0689	.7254	18.39.8	R	11 12 „
20	24.295	21.14	84.6	27.18	82·7	.0735	.7242	18.38.7	R	Noon.
21	24.846	21.26	86.1	27.24	84.0	.0755	.7248	18.38.7	B	1 12 p. m.
22	25.257	21.15	86.9	27.40	85.1	.0736	.7266	18.39.6	B	2 12 „
23	25.875	20.85	86.1	27.49	84.7	.0687	.7276	18·40.6	B	3 12 „
Dec. 19th-Noon.	26.286	20.70	85·0	27·15	84.5	.0663	.7239	18.39.6	B	4 12 „
1	25.394	20.57	84.0	27.12	84.0	.0642	.7235	18.39.8	C	5 12 „
2	25.120	20·37	82.7	27.28	83.2	.0609	.7253	18.40.9	C	6 12 „
3	25.669	20.20	82·0	27.69	82.9	.0581	.7298	18.43.0	C	7 12 „
4	25.326	20.29	81.9	27.66	82.6	·0596	.7295	18.42.6	C	8 12 „
5	25.532	19.92	81.2	27.69	82.0	.0534	·7298	18.43.6	R	9 12 „
6	25.326	20.31	80·6	27.75	81.5	.0599	.7305	18.43.0	R	10 12 „
7	24.846	20.46	80.6	27.68	81.0	.0624	.7297	18.42.4	R	11 12 „
8	24 707	20.51	80.9	27.73	81.0	.0632	.7302	18.42.4	R	Midnight.
9	24.295	20.58	80.6	27.88	81.1	.0643	.7319	18.43.0	B	1 12 a. m.
10	23.884	20.58	80.1	27.87	81.0	.0643	.7318	18.43.0	B	2 12 „
11	24.090	20.55	80.0	27.98	81.0	.0638	.7330	18.43·5	C	3 12 „
12	24.295	20.23	79.8	27.92	80.7	.0586	.7323	18.43.8	C	3 12 „
13	24.502	20.45	79.6	27.78	80.0	·0622	.7308	18.42.8	R	5 12 „
14	24.570	20·35	78.6	27.80	79.9	.0605	.7310	18.43.1	R	6 12 „
15	24.846	20.41	78.6	27.91	79.7	.0616	.7322	18.43.3	B	7 12 „
16	25.257	20.34	79·9	27.99	79.8	.0604	.7331	18.44.0	B	8 12 „
17	25.532	20.92	81.5	27.78	80.7	.0698	.7308	18.41.8	C	9 12 „
18	25.257	20.94	83.0	27.56	81.3	·0702	.7284	18.40.8	C	10 12 „
19	24.846	21.12	84.0	27.42	82.0	·0731	.7268	18.39.8	R	11 12 „
20	24.432	21.22	85.0	27.29	83.0	.0748	.7254	18.39.0	R	Noon.
21	24.846	20.98	86.1	27.33	84.2	.0708	·7258	18.39.8	B	1 12 p. m.
22	25.257	20.84	86.3	27.42	84.7	.0686	.7268	18.40.3	B	2 12 „
23	26.012	20.57	86.5	27·42	85.2	.0642	.7268	18.41.0	C	3 12 „
Dec. 20th-Noon.	26.629	20.32	86.0	27.44	85.3	.0600	.7270	18.41.6	C	4 12 „
1	25.669	20.51	84.9	27.40	85.0	.0632	.7266	18.41.0	R	5 12 „
2	25.600	20.35	84.0	27.52	84.0	.0605	.7279	18.41.8	R	6 12 „
3	25.806	20.21	83.1	27.58	83.6	·0583	.7286	18.42.5	B	7 12 „
4	25.189	20.16	82.8	27.52	83.4	.0574	.7279	18·42.3	B	8 12 „
5	24.914	20.10	82.5	27.29	83.0	.0564	.7254	18.41.5	C	9 12 „
6	25.120	20.22	81.7	27.30	82.6	.0584	.7255	18.41.4	C	10 12 „
7	24.846	20.33	81.0	27.26	82·0	.0602	.7251	18.40.9	R	11 12 „
8	24.159	20.54	81.5	27.55	81.7	·0637	·7283	18.41.6	R	Midnight.
9	24.432	20.35	81.0	27·60	81.5	·0605	.7288	18.42.2	B	1 12 a. m.
10	24·363	20.31	80.6	27.64	81.3	.0599	.7292	18.42.4	B	2 12 „
11	24.090	20.50	80.3	27.65	81.1	.0630	.7294	18·42.1	B	3 12 „

DAILY OBSERVATIONS, FROM 20TH TO 23RD DECEMBER 1860.

Date. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1860.
h.										h. m.
Dec. 20th—12	24·502	20.34	79·9	27.70	80·6	8.0604	2.7299	18°42′7	B	4 12 a. m.
13	24.914	20.31	79.7	27.72	80.5	.0599	.7301	18·42.8	C	5 12 „
14	25.326	20.35	79.3	27.73	80·3	.0605	.7302	18.42.7	C	6 12 „
15	24.295	20.31	79.4	27.70	80.1	.0599	.7299	18.42.7	C	7 12 „
16	25.189	20.43	79.9	27.90	80.1	.0619	.7321	18.43.3	C	8 12 „
17	25.394	20.78	81.0	27.66	80.1	.0676	.7295	18.41.6	R	9 12 „
18	24.707	21.03	82.4	28.03	80.9	·0717	.7335	18.42.6	R	10 12 „
19	23.953	21.30	83.7	28.96	81.9	.0761	.7438	18.46.1	R	11 12 „
20	24.570	21.31	84.6	28.93	82.8	.0763	.7434	18.45.9	R	Noon.
21	24.983	21.23	86.0	28.91	83.8	.0750	.7432	18.45.9	B	1 12 p. m.
22	25.257	21.25	87.2	28.91	85.5	.0753	.7432	18.45.9	B	2 12 „
23	25.532	21.18	87.6	28.94	86.3	.0741	.7435	18.46.3	B	3 12 „
Dec. 21st-Noon.	25.875	20.81	87.1	28.97	86.3	.0681	.7441	18.47.3	B	4 12 „
1	25.532	20.69	86.5	28.96	86.0	.0661	·7438	18.47.4	C	5 12 „
2	25.394	20.37	84.3	29.00	85.0	.0609	.7442	18.48.2	C	6 12 „
3	26.149	20.38	83.8	29.03	84.3	.0610	.7445	18.48.4	C	7 12 „
4	25 669	20.28	83.5	29.06	84.0	.0594	.7449	18.48.7	C	8 12 „
5	25.394	20.14	83.0	28.99	83.0	.0571	.7441	18.48.7	R	9 12 „
6	25.051	20.60	82.4	28.99	83.0	.0646	.7441	18.47.6	R	10 12 „
7	24.846	20.31	82.0	29·08	82.7	.0599	.7451	18·48.7	R	11 12 „
8	24.707	20.41	82.0	29.08	82.5	.0616	.7451	18.48.4	R	Midnight.
9	24.639	20.55	82.0	29.08	82.5	.0638	.7451	18.48.2	B	1 12 a. m.
10	24.570	20.42	81·5	29.11	82.3	.0617	.7454	18.48.4	B	2 12 „
11	24.502	20.44	81.2	29.11	82.0	.0621	.7454	18.48.5	B	3 12 „
12	24.226	20.37	80.4	29.15	81.6	.0609	.7459	18.48.9	B	4 12 „
13	24.983	20.39	79.8	29.11	81.1	.0612	.7454	18.48.7	C	5 12 „
14	24.295	20.32	79.2	29.17	80.6	.0600	.7461	18.49.0	C	6 12 „
15	24.776	20.24	79.4	29 25	80.1	.0588	.7470	18.49.5	C	7 12 „
16	24.846	20.50	80.7	29.27	80.5	.0630	.7472	18.49.0	C	8 12 „
17	24.295	20.67	81.5	29.12	80.6	.0658	.7455	18.48.1	R	9 12 „
18	23.473	20.87	82.6	29·03	81.0	.0694	.7445	18.47.3	R	10 12 „
19	23.473	21.18	84.0	28.96	82.0	.0741	.7438	18.46 4	R	11 12 „
20	23.953	21.05	84.7	29.09	83.0	.0720	.7452	18.47.1	R	Noon.
21	24.021	20.90	85.2	29.11	83.5	.0695	.7454	18.47.5	B	1 12 p. m.
22	24.846	20 57	85.5	29.08	84.1	.0642	.7451	18.48.2	B	2 12 „
23	25.463	20.62	85.3	29.13	84.2	.0659	.7456	18.48.2	B	3 12 „
Dec. 23rd-Noon.	25.669	20.64	84.5	28.99	85.4	.0653	.7441	18.47.6	C	4 12 „
1	25.394	20.61	83.9	28.99	84.5	.0648	·7441	18.47.6	C	5 12 „
2	25.463	20.40	83.2	29.07	83.7	.0614	·7450	18.48.6	C	6 12 „
3	25.532	20.33	82.4	29.15	83.1	.0602	.7449	18.48.6	C	7 12 „
4	25.189	20.43	82.1	29.08	82.8	.0619	.7451	18.48.4	C	8 12 „
5	24.914	20 22	81.8	29.06	82.0	.0584	.7449	18.48.9	R	9 12 „
6	25.737	20.30	81.0	29.06	82.0	.0597	.7449	18.48.6	R	10 12 „
7	25.189	20.41	80.6	29.05	81.5	.0616	.7448	18.48.3	R	11 12 „
8	24.846	20.49	80.5	29.03	81.0	.0629	.7445	18.48.1	R	Midnight.
9	25.051	20.50	80·1	29.21	81.0	.0630	.7465	18.48.8	B	1 12 a. m.
10	24.914	20.58	80.1	29.21	80.9	.0643	.7465	18.48.7	B	2 12 „
11	24.707	20.61	79.9	29.24	80.7	.0648	.7468	18.48.6	B	3 12 „
12	25.051	20.61	79.5	29.25	80.4	.0648	.7481	18.49.1	B	4 12 „
13	24 502	20.48	78.9	29·24	80.0	.0627	.7468	18.48.9	C	5 12 „
14	24.570	20·51	78.7	29.28	79.4	.0632	.7473	18.49.1	C	6 12 „
15	24.639	20.36	78.4	29.32	79.1	.0607	.7477	18.49.6	C	7 12 „
16	25.806	20.37	79.4	29.27	79.1	.0609	.7472	18.49.3	C	8 12 „
17	26.218	20.75	80.1	29.09	79.6	.0671	.7452	18.47.8	R	9 12 „
18	25.737	21.07	81.5	29·00	80.1	.0724	.7442	18.46.7	R	10 12 „
19	24.707	21.39	83.0	28.83	81·0	.0776	.7423	18.45.3	R	11 12 „
20	24.502	21.42	84.0	28.96	82.0	.0781	.7438	18.45.9	R	Noon.
21	25.326	21.32	85.2	29·02	83.3	.0764	.7444	18.46.3	B	1 12 p. m.
22	25.394	21.02	85.5	29.01	83.6	.0715	.7443	18.46.8	B	2 12 „
23	25.189	20.75	84.6	29.01	83.8	.0671	.7443	18.47.5	B	3 12 „

On the 20th, at about 19h. 30m., Dip as obtained by Observation was 18°51′2.
On the 21st, at about 19h. 15m., Deflection Observations were taken.

DAILY OBSERVATIONS, FROM 25TH TO 27TH DECEMBER 1860.

Date. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1860.
h.										h. m.
Dec. 25th-Noon.	25'051	20.58	84°9	29·00	85°3	8.0643	2.7442	18°47'8	C	4 12 p. m.
1	24.846	20.34	83.4	29·08	83.9	.0604	.7451	18.48.7	C	5 12 ,,
2	24.570	20.36	82.0	29.14	83.0	.0607	.7457	18.48.9	C	6 12 ,,
3	24·846	20.37	81.3	29.18	82.1	.0609	.7462	18·48.9	C	7 12 ,,
4	24.846	20.36	81.0	29.28	81.9	.0607	.7473	18.49.4	C	8 12 ,,
5	24.776	20.39	80.5	29.33	81.0	.0612	.7478	18.49.6	R	9 12 ,,
6	25.051	20.40	79.7	29.17	80.6	.0614	.7461	18.48.9	R	10 12 ,,
7	25.737	20.65	79.3	29.17	80.2	.0654	.7461	18.48.3	R	11 12 ,,
8	25.532	20.55	79.0	29.20	80.0	.0638	·7464	18.48.6	R	Midnight.
9	25.943	20.26	78.6	28.75	79.9	.0591	.7415	18.47.4	B	1 12 a. m.
10	26.080	20.61	78.1	28.71	79.4	.0648	.7410	18.46.4	B	2 12 ,,
11	25.463	20.30	77.5	28.75	79.0	.0597	.7415	18.47.3	B	3 12 ,,
12	25.532	20.29	77.1	28.76	78.5	.0596	.7416	18.47.3	B	4 12 ,,
13	24.707	20.49	77.0	28.72	78.1	.0629	.7411	18.46.7	C	5 12 ,,
14	24.983	20.53	77.0	28.74	77.9	.0635	.7413	18.46.7	C	6 12 ,,
15	24.159	20.39	77.0	28.78	77.9	.0612	.7418	18.47.3	C	7 12 ,,
16	24.983	20.81	78.1	28·79	78.1	.0681	.7419	18.46.4	C	8 12 ,,
17	26.080	20.88	79.5	28.73	78.3	·0692	.7412	18.45.9	R	9 12 ,,
18	25.600	21·34	80.5	28.57	79.0	.0768	.7395	18.44.3	R	10 12 ,,
19	25.875	21.36	82.0	28.80	80.0	.0771	.7420	18.45.3	R	11 12 ,,
20	26.561	21.04	83.0	28.93	81.0	.0719	.7434	18.46.4	R	Noon.
21	26.698	20.81	84.3	28.93	81.8	.0681	.7434	18.47.0	B	1 12 p. m.
22	27.178	20.44	84.6	28.97	82.3	.0621	.7439	18.47.9	B	2 12 ,,
23	26.698	20.24	84.6	28.95	83.0	.0588	.7437	18.48.3	B	3 12 ,,
Dec. 26th-Noon.	25.669	20.12	84·5	28.81	83.1	.0567	.7421	18·47.9	B	4 12 ,,
1	24.707	20.17	83.4	28.81	83.0	.0576	.7421	18.47.8	C	5 12 ,,
2	24.983	20.27	82.3	29.02	82.3	.0593	.7444	18.48.5	C	6 12 ,,
3	26.218	20.05	81.7	29.06	81.9	.0556	.7449	18.49.1	C	7 12 ,,
4	25.806	20.00	81.1	29·05	81.7	.0548	.7448	18.49.2	C	8 12 ,,
5	25.189	19.94	80.5	28.98	81.0	.0538	.7440	18.49.1	R	9 12 ,,
6	25.669	20.10	80.0	29.02	80.5	.0564	.7444	18·48.9	R	10 12 ,,
7	25.737	20.14	79.3	28.90	80.0	.0571	.7431	18.48.3	R	11 12 ,,
8	25.532	20.23	78.8	28.69	79.6	.0586	.7408	18.46.5	R	Midnight.
9	25.875	20.30	78.8	28.76	79.2	.0597	.7466	18.47.3	B	1 12 a. m.
10	25.326	20.26	78.8	28.78	79.2	.0591	.7418	18·47.5	B	2 12 ,,
11	25.189	20.33	78.6	29.02	79.1	.0602	.7444	18.48.4	B	3 12 ,,
12	25.051	20.30	78.1	29.14	78.6	.0597	.7457	18.49.0	B	4 12 ,,
13	24.570	20.13	77.4	29.12	78.1	.0560	.7455	18.49.3	C	5 12 ,,
14	24.639	20.29	77·0	29.18	77.8	.0596	.7462	18.49.0	C	6 12 ,,
15	24.707	20.29	76.7	29.23	77.5	.0596	.7467	18.49.3	C	7 12 ,,
16	25.394	20.73	78.1	29.29	77.8	.0668	·7474	18.48.6	C	8 12 ,,
17	26.355	20.94	79.4	29.14	78·0	.0702	.7457	18.47.7	R	9 12 ,,
18	25.875	21.13	80.7	28.77	79.0	.0733	.7417	18·45.7	R	10 12 ,,
19	25.120	21.45	81.8	28.61	79·8	.0786	·7399	18.44.1	R	11 12 ,,
20	25.532	21.42	82.9	28.82	80.6	.0781	.7422	18.45.2	R	Noon.
21	26.286	21.04	84.0	28.93	81.8	.0719	.7434	18.46.4	B	1 12 p. m.
22	27.247	20.95	84.6	28.93	82.8	.0703	.7434	18.46.7	B	2 12 ,,
23	27.109	20.78	85.0	28.90	83.2	.0676	.7431	18.46.9	B	3 12 ,,
Dec. 27th-Noon.	25.737	20.65	84.6	29.02	83.4	.0654	.7444	18·47.7	B	4 12 ,,
1	24.846	20·53	83.5	29·10	83.2	.0635	.7453	18.48.3	C	5 12 ,,
2	24.570	20·41	82.7	29.24	82.8	.0616	.7468	18.49.0	C	6 12 ,,
3	25.051	20.20	81.9	29.34	82.1	.0581	.7479	18.50.0	C	7 12 ,,
4	24.846	20.02	81.2	29.34	81.6	.0551	.7481	18.50.4	C	8 12 ,,
5	24.846	20·21	80.9	29·33	81.0	.0583	.7478	18.50.0	R	9 12 ,,
6	24.983	20.24	80.0	29.52	80.5	.0588	.7499	18·50.6	R	10 12 ,,
7	25.394	20.31	79.5	29.50	80.0	.0599	.7497	18.50.5	R	11 12 ,,
8	25.326	20·33	79·6	29.50	80.0	.0602	·7497	18.50.5	R	Midnight.
9	25.189	20.27	79.3	29.54	79.6	.0593	.7501	18.50.7	B	1 12 a. m.
10	25.875	20.14	78.5	29·53	79.3	·0571	.7500	18.51.0	B	2 12 ,,
11	25.600	20.40	78.5	29.57	79.1	.0614	.7505	18.50.7	B	3 12 ,,

DAILY OBSERVATIONS, FROM 27TH TO 30TH DECEMBER 1860.

Date. Göttingen Mean Time. 1860.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1860.
h.										h. m.
Dec. 27th—12	25·532	20.39	78·3	29.57	78·9	8.0612	2.7505	18°50′7	B	4 12 a. m.
13	25.051	20.27	77.9	29.61	78.5	.0593	.7509	18.51.0	C	5 12 „
14	24.776	20.33	77.1	29.64	78.0	.0602	.7512	18.51.0	C	6 12 „
15	25.257	20.37	77.3	29.59	77.9	.0609	.7507	18·50.8	C	7 12 „
16	25.806	20.70	78.1	29.69	78.0	·0663	.7518	18.50.5	C	8 12 „
17	26.218	20.88	78.8	29.44	78.0	.0692	.7490	18.49.0	R	9 12 „
18	25.257	21.30	80.0	29.36	78.8	.0761	.7482	18.47.7	R	10 12 „
19	24.707	21.47	81.7	29.29	79.6	.0790	.7474	18.47.0	R	11 12 „
20	24.649	21.50	82.7	29.32	80.5	.0794	.7477	18.47.2	R	Noon.
21	25.326	21.19	83.0	29.61	81.1	.0743	·7509	18.49.1	B	1 12 p. m.
22	26.355	20·94	83.5	29.61	81.9	.0702	.7509	18.49.6	B	2 12 „
23	26.423	20.81	83.9	29.43	82.6	.0681	.7500	18.49.6	B	3 12 „
Dec. 28th—Noon.	25.394	20.69	83.8	29.24	83.0	.0661	.7468	18.48.5	B	4 12 „
1	23.884	20·60	82.8	29.18	82.5	.0646	.7462	18.48.3	C	5 12 „
2	24.570	20.62	81.8	29.44	81.9	.0649	.7490	18.49.5	C	6 12 „
3	25.120	20.34	80.9	29.49	81.3	·0604	.7496	18.50.4	C	7 12 „
4	25.189	20.26	80.2	29.53	80.9	.0591	.7500	18.50.7	C	8 12 „
5	24.983	20.31	79.5	29.51	80.2	.0599	.7498	18.50.5	R	9 12 „
6	24.846	20.27	79.0	29.60	80.0	.0593	.7508	18·51.0	R	10 12 „
7	24.846	20.44	79.7	29.59	79.8	.0621	.7507	18·50.6	R	11 12 „
8	24.983	20.50	79.7	29.64	79.6	.0630	.7512	18.50.6	R	Midnight.
9	24.914	20.46	79.4	29.61	79.6	.0624	.7509	18.50.6	B	1 12 a. m.
10	24.914	20.45	79.1	29.59	79.5	.0622	.7507	18.50.6	B	2 12 „
11	24.914	20.38	78.3	29.67	79.0	.0610	.7516	18.51.1	B	3 12 „
12	25.120	20.46	78.1	29.71	78.6	.0624	.7520	18.51.1	B	4 12 „
13	24.432	20.52	77.9	29.84	78.5	.0633	.7534	18.51.5	C	5 12 „
14	24.363	20.47	77.5	29.88	78.1	.0626	.7539	18·51.7	C	6 12 „
15	25.051	20.47	77.0	29.89	77.7	.0626	.7540	18.51.8	C	7 12 „
16	26.218	20.74	77.7	29.94	77.9	.0670	.7545	18.51.6	C	8 12 „
17	26.561	20.99	79.0	29.69	78.1	.0710	.7518	18.49.9	R	9 12 „
18	25.532	21.32	80.4	29.46	78·8	.0764	.7493	18.48.2	R	10 12 „
19	24.707	21.45	81.5	29.49	79.5	.0786	.7496	18.47.9	R	11 12 „
20	26.423	21.59	83.0	29.62	80.5	.0809	.7510	18.48.3	R	Noon.
21	26.904	21.42	84.5	29.57	81.5	.0781	.7505	18.48.5	B	1 12 p. m.
22	26.835	21.22	84.5	29.70	82.7	.0748	.7519	18.49.3	B	2 12 „
23	26.149	21.14	85.0	29.62	83.2	.0735	.7510	18.49.2	B	3 12 „
Dec. 30th—Noon.	26.012	21.13	84.6	15.43	84.2	.0733	.8008	19.08.6	C	4 12 „
1	25.120	20.93	83.5	15.22	83.9	.0700	.7985	19·08.2	C	5 12 „
2	25.120	20.82	82.9	15.40	83.2	.0682	.8005	19.09.3	C	6 12 „
3	25.394	20.73	82.4	15.16	82.8	.0668	.7979	19.08.3	C	7 12 „
4	25.257	20.66	81.9	15.23	82.7	.0646	.7986	19.08.8	C	8 12 „
5	25.051	20.60	81.5	15.26	82·0	.0646	.7990	19.09.0	R	9 12 „
6	24.846	20.62	81.2	15.05	81.5	.0649	.7967	19.08.1	R	10 12 „
7	24.570	20.63	80.7	15.03	81.0	.0651	.7964	19.07.9	R	11 12 „
8	24.639	20.69	80.5	15.01	81.0	.0661	.7962	19.07.7	R	Midnight.
9	24.570	20.74	80.3	15.03	80.9	.0672	.7964	19.07.9	B	1 12 a. m.
10	24·502	20.71	79.9	15.02	80·6	.0666	·7963	19.07.7	B	2 12 „
11	24.983	20.67	79.2	15.05	80.1	.0658	.7967	19.08.0	B	3 12 „
12	24.776	20.64	78.6	15.01	79.7	.0653	.7962	19.07.8	B	4 12 „
13	25.120	20.78	78.5	14.99	79.5	.0676	.7960	19·07.5	C	5 12 „
14	25.189	20.78	78.2	15.02	79.1	.0676	.7963	19.07.6	C	6 12 „
15	26.012	20.69	78.0	15.02	78.9	·0661	.7963	19.07.8	C	7 12 „
16	26.904	20.82	78.7	15.09	79.0	.0682	.7971	19.07.9	C	8 12 „
17	26.442	21.15	80.0	14.77	79.0	.0736	.7936	19.05.8	R	9 12 „
18	25.189	21.52	81.2	14.49	79.7	.0797	.7905	19.03.8	R	10 12 „
19	24.226	21.67	82.7	14.52	80.5	.0822	.7908	19.03.6	R	11 12 „
20	24.639	21.65	83.7	14.83	81·0	.0818	.7942	19.04.9	R	Noon.
21	25.532	21.50	84.6	14.96	82.5	.0794	.7957	19.06.0	B	1 12 p. m.
22	25.669	21.27	84.8	14.91	82.9	.0757	.7956	19.06.1	B	2 12 „
23	25.600	21.21	85.0	14.85	83.4	.0747	.7945	19.06.0	B	3 12 „

On the 28th, at about 19h. 45m., Deflection Observations were taken.
On the 30th, at about 19h. 50m., Dip as obtained by Observation was 19°8′8.
On the 30th, Vertical Force adjusted for the new year.

OBSERVATIONS OF INCLINATION,

1860.

NOTE.—*These Observations were taken with a Dip Circle made by Henry Barrow.*

OBSERVATIONS OF INCLINATION, 1860.

Made at Bombay about 1 hour before Noon.

Date. Bombay Mean Time.	POLES DIRECT. Face of Needle. Direct.		Reversed.		POLES REVERSED. Face of Needle. Direct.		Reversed.		Mean,	Monthly Mean.
	a	*a'*	*a''*	*a'''*	*b*	*b'*	*b''*	*b'''*		
JAN. 3	18°02′5	18°22′5	19°27′5	19°32′5	19°22′5	19°17′5	19°27′5	18°42′5	19°01′9	
6	18.57.5	18.27.5	19.27.5	19.37.5	19.32.5	19·02.5	19.27.5	18.32.5	19.08.1	
10	18.57.5	18.17.5	19.32.5	19.32.5	19.12.5	19.07.5	19·17.5	19.12.5	19.08.8	
13	18.30·0	19.20 0	19.27.5	19.22.5	19.07.5	19.22.5	18.52.5	19.32.5	19.11·2	
17	18.22.5	18.32.5	19.22.5	19.32.5	19.35.0	19.25.0	19.07.5	19.07.5	19.08.1	19°07′2
20	18.50.0	19.00.0	18.57.5	19.30.0	19.02.5	19.22·5	19.25·0	18.52.5	19.07.5	
24	19.25.0	18.40.0	19.00.0	19.15.0	19.40.0	19.05.0	18.57.5	18.52′5	19.06.9	
27	19.25.0	18.50.0	19.27.5	18.40.0	19.40.0	18.55.0	19.20.0	18.52.5	19.08.8	
31	19.00.0	18.32.5	19.32.5	19.02.5	19·20.0	19.17.5	18.42.5	19.00.0	19.03.4	
FEB. 3	18.27.5	18·52.5	19.20.0	18.57.5	19.05.0	19.37.5	19.15.0	19.00.0	19.04.4	
7	18.45.0	18.35.0	19·20.0	18.55·0	19.27 5	19.12.5	19.05.0	19.12.5	19.04.0	
10	18.15.0	18.47.5	19.32.5	18.30.0	19.32.5	19.25.0	18.35.0	19.22.5	19.00.0	
14	18.42.5	18.00.0	19.32.5	18.35·0	19.27.5	19.37.5	19.12.5	19.17.5	19.03.1	
17	18.40.0	19.27·5	19.27.5	18.27.5	19.17.5	19.15.0	19.27.5	19.05.0	19.08·4	19.04.2
21	18.05.0	19.37.5	19.27.5	18.57.5	19.27.5	19.20.0	19.15.0	18.42.5	19·06.2	
24	18.55.0	19.07.5	19.00.0	19.05.0	19.20.0	19·15.0	19.10.0	18.37.5	19.03.8	
28	19.05.0	18.40.0	19.27.5	19.20.0	19.07.5	19.07.5	18.42.5	19.00.0	19.03.8	
MAR. 2	18.22.5	19.32.5	19.10.0	18.57.5	19.10.0	18.47.5	19.07.5	19.15.0	19.02.8	
6	19.07.5	17.45.0	19.07.5	18.35.0	19.52.5	18.57.5	18.45·0	20.32.5	19.05.3	
9	17.55.0	18.20.0	19.20.0	18.50.0	19.37.5	19.02.5	18.42.5	20.22.5	19.01.2	
13	18.10.0	18.20.0	19.27·5	19.25.0	19·37.5	19.20.0	19·25.0	19.00.0	19.05 6	
16	18.47.5	18.12.5	19.17.5	19.17.5	19.22.5	19·22.5	19.07.5	18.52.5	19.02.5	19.04.6
20	18.37.5	18.22.5	19.17.5	19.12.5	19.22.5	19·22.5	19.17.5	19.27.5	19.07.5	
23	19.02.5	19.17.5	18.52.5	19.12.5	19.22.5	18·52.5	18.47.5	19.32.5	19.07.5	
27	18.52.5	18.52.5	19.17.5	19.02.5	19.22.5	18.45.0	18·50.0	19.22.5	19·03.1	
30	19.02·5	19.07.5	19.47.5	18.57.5	19.02.5	18·55.0	18.40.0	19.17.5	19·06.2	

OBSERVATIONS OF INCLINATION, 1860.

Made at Bombay about 1 hour before Noon.

Date. Bombay Mean Time.	POLES DIRECT. Face of Needle. Direct.		Reversed.		POLES REVERSED. Face of Needle. Direct.		Reversed.		Mean.	Monthly Mean.
	a	*a'*	*a''*	*a'''*	*b*	*b'*	*b''*	*b'''*		
APR. 3	18°52′5	19°22′5	18°52′5	18°42′5	18°52′5	19°07′5	19°02′5	19°17′5	19°08′8	
10	18.45.0	18.12.5	19.35.0	19.07.5	18·52.5	19.20.0	18.45.0	19.07.5	18.58.1	
13	18.33.5	18.52.5	19·07.5	19.02.5	19.17.5	19.27.5	19.25.0	19.07.5	19.06.6	
17	18.17.5	18.17.5	18.52.5	18.35.0	19.07.5	19.37.5	19.25.0	19.42.5	18.59.4	19°02′0
20	18.35.0	18.10.0	19.02.5	17.42.5	20.02.5	19.42.5	19.52.5	19.17.5	19.03.1	
24	18.22.5	17·42.5	17.40.0	17.55.0	20.25.0	19.25.0	19.42.5	19.20.0	18.56.6	
27	17.42.5	17.47.5	18.10.0	18.05.0	20.37.5	19.37.5	20 12.5	19.57.5	19.01.2	
MAY 1	17.57·5	17.42.5	17.52.5	17.52.5	20.52.5	20.22·5	20.42.5	19.12.5	19.04.4	
4	18.12·5	17.42.5	17.52·5	17.57.5	20.27.5	19.32.5	20.22.5	20.47.5	19.06.9	
8	17.22.5	18.12.5	17.52.5	17.42.5	20.37.5	19.42.5	20.27·5	20.27.5	19.03.1	
11	17.22.5	17.52.5	17.32·5	18.17.5	20.27.5	20.27.5	20.42.5	20.17.5	19.07.5	
15	17·52.5	17.57.5	18.12.5	17.42·5	20.22.5	20.17.5	20.27.5	20.22.5	19.09.4	19.05.4
18	17·57.5	18.02.5	18.07.5	17.37.5	20.22.5	20.37.5	20.32.5	20.02.5	19.10.0	
22	17.32.5	17.47.5	18.17.5	17.47.5	20.07·5	20.12.5	22.27.5	20.12.5	19.03.1	
25	17.35.0	17·32.5	17.42.5	18.22.5	20·40.0	19.57.5	20.37.5	20.02.5	19.03·8	
29	17.27.5	17.22.5	17.57.5	17.27.5	20.42.5	20.17.5	20.12.5	20.32.5	19.00.0	
JUNE 1	17.32.5	17.42.5	17.47.5	17.37.5	20.47.5	20.47.5	20.22.5	20.27.5	19.08.1	
5	17.42.5	17.22.5	18·12·5	17.42.5	20.42.5	20.12.5	20.37.5	20.32.5	19.08.1	
8	17.12.5	17.52.5	18·25.0	17.40.0	20.47.5	20.07.5	20.27.5	20.32.5	19.08.1	
12	17.27.5	17·32.5	17.57.5	17·52.5	20.42.5	20.12.5	20.22.5	20.17.5	19.03.1	
15	17.32.5	17·32.5	18·22.5	17.42.5	20.37.5	20.12.5	20.02.5	20.27.5	19.04.4	19.07.0
19	17·52.5	17.27.5	17.47.5	17.42.5	20.27.5	20.42.5	20.27.5	20.22.5	19.06.2	
22	18.02.5	17.17.5	17.27.5	18.07.5	20.22.0	20.25 5	20.35.0	20.37.5	19.06.9	
26	17.17.5	18.17.5	17.27.5	18.12.5	20.32.5	20.42.5	20.27.5	20.27.5	19.10·6	
29	17.42.5	18.07·5	17.42.5	17.52.5	20.32.5	20.27.5	20.07.5	20.27.5	19.07.5	
JULY 3	17.17·5	18.22.5	17.42.5	17.52.5	20.37.5	20.02.5	20.17.5	20.27.5	19.05.0	
6	17.35.0	17.30.0	17·52.5	18.22.5	20.42.5	20.12.5	20.22·5	20.32.5	19.08.8	
10	17.17.5	17.42·5	18.07.5	17.42.5	20·27.5	20.17.5	20.27.5	20.42.5	19.05.6	
13	17.32.5	17.47.5	18.02.5	17.37.5	20.22·5	20.17.5	20.32.5	20.47.5	19.07.5	
17	17.57.5	17.22.5	17.17·5	17·47·5	20·32.5	20.02.5	20.42.5	20.22.5	19.00.6	19.05.6
20	17.37.5	17.32.5	17.47.5	17.32.5	20.37.5	20.27.5	20.42.5	20.47.5	19.08.1	
24	18.25.0	17.42.5	17.00.0	17.32.5	20.37 5	20.37.5	20.47.5	20.17.5	19.07.5	
27	17·37.5	17.17.5	17·32·5	17.32 5	20.42.5	20.37.5	20.27·5	20.42.5	19.03.7	
31	17.27.5	17.22.5	16.52.5	18.27·5	20.42.5	20.42.5	20.37.5	20.17.5	19.03.8	
AUG. 3	17·07.5	17·42.5	17.47.5	18.12.5	20.37.5	20.37.5	20.17.5	20.27.5	19.06.2	
7	17.42.5	17.27.5	17.17.5	17.47·5	20.37.5	20.47.5	20 32.5	20.42.5	19·06.9	
10	17.27.5	17.32·5	17.22.5	17.52.5	20.22.5	20.42.5	20.27.5	20.47.5	19.04.4	
14	17.37.5	17.27·5	17·22.5	17.27.5	20.47·5	20.42·5	20.17.5	20.22·5	19.00.6	
17	18.27.5	17.17.5	17.07·5	17 27·5	20.32.5	20·22.5	20.17.5	20.42·5	19.05.6	19.05.3
21	18.15.0	17.12.5	16.40.0	18.30.0	20.40.0	20.30.0	20.35.0	20·47.5	19.08.8	
24	16·55.5	16.12.5	15.32.5	16.37.5	21·27.5	21.02·5	22.32.5	21.37.5	18.59.7	
28	16.47.5	16.47.5	16.40.0	16.45.0	21.27.5	21.22.5	21.57.5	21.27.5	19.09.4	
31	16·42.5	16.37.5	15.52·5	16.52.5	21.57.5	21.22.5	22.07.5	21.17.5	19.06.2	
SEPT. 7	16.50.0	17.10.0	15.52.5	16·10·0	22.02.5	21.32.5	21.57.5	21.37.5	19.09·0	
11	17.22.5	16.40.0	16.47.5	16.37.5	21.17.5	21.35.0	22·47.5	21.32.5	19.79.7	
14	16 32.5	16.27.5	16.05.0	16.45.0	20·45.0	22.35.0	22.37.5	21.17.5	19·08·1	19.08.6
21	16.22.5	16.22.5	16.02.5	16.47.5	21.22.5	21.42.5	22.32.5	21.27.5	19.05.0	
28	16.27.5	15.30·0	15.27.5	16.20.0	22.25.0	22.35.0	22·20.0	21.05.0	19.01.2	
OCT. 2	16.50.0	16.35.0	17.00.0	16 45.0	21.35.0	21.15.0	22.02.5	20.50.0	19.06.6	
5	16.42.5	17 10.0	16.05.0	17.02.5	20.35.0	22.02.5	22.15.0	21.05.0	19.07.2	
9	16.50.0	16.10.0	15.42.5	17.00.0	20.30.0	22.05.0	22.32.5	20.50.0	18.57.2	

OBSERVATIONS OF INCLINATION, 1860.

Made at Bombay about 1 hour before Noon.

Date. Bombay Mean Time.	POLES DIRECT. Face of Needle. Direct.		Reversed.		POLES REVERSED. Face of Needle. Direct.		Reversed.		Mean.	Monthly Mean.
	a	*a'*	*a''*	*a'''*	*b*	*b'*	*b''*	*b'''*		
Oct. 12	17°40·0	16°37·5	16°17·5	16°55·0	21°20·0	22°07·5	22°25·0	21°02·5	19°18·1	
16	16.12·5	15.52.5	15.42.5	16.57.5	20.32.5	21.22.5	21.32.5	20.27.5	18.35.0	18°52·9
20	16.57.5	16·22.5	15.05.0	17.07.5	21·20.0	21·27·5	20.55.0	19.55.0	18.38.8	
23	17.17.5	16.02.5	15.02.5	16.42.5	20.42.5	21.22.5	22.32·5	20·25·0	18.45.9	
26	17.50·0	15.20.0	15.12.5	17·25.0	20.47.5	21.32.5	22.35·0	19.55.0	18.42·2	
30	19.05.0	15.20.0	15.12·5	17.42.5	19.37.5	21.25.0	22·07.5	19.30·0	18.45.0	
Nov. 2	17.57.5	15.35·0	15.40.0	16.42.5	21.25.0	20.00.0	19.22.5	22.30.0	18.39.0	
6	16.40.0	15.50.0	15.30.0	16.45.0	21.17.5	20.55.0	21.10.0	21.02.5	18.38.7	
9	18.30.0	17.32.5	17.27.5	15.40.0	18.55.0	21.52.5	21.12·5	18.50.0	18.45.0	
13	19.15.0	16.50.0	16.40.0	18.20.0	19.50.0	20.55.0	19.40.0	19.20.0	18.51.2	
16	18·52.5	17·42·5	18.02.5	18.12.5	19.12.5	20.07.5	19.07.5	20.22.5	18.57.5	18.56.5
20	18.57.5	17.57.5	17.32.5	18.17.5	20.52.5	20.27.5	19.37.5	20.17.5	19.15 0	
23	18.32.5	18.02.5	18.07·5	18.42.5	19.47.5	19.57·5	20.32.5	19.47.5	19.11.2	
27	18.22·5	17.57.5	17.57.5	18.32.5	19.57.5	20.07.5	20.17.5	19.12.5	19·03.1	
30	18.22.5	17.52.5	17.57.5	18.22.5	19.27.5	20.07.5	20.57.5	19.52.5	19.07.5	
Dec. 4	19.42.5	17.47.5	18.17.5	17.52.5	20.07.5	20.22.5	20.07.5	19.57.5	19.09.4	
7	18.17.5	17·27.5	18.32.5	18.57.5	19.22.5	19·47.5	20.42·5	18.52.5	19.00.0	
11	18.22.5	17.47.5	17.47.5	19.02.5	18.52.5	20.07.5	20.57.5	19·02.5	18.59.4	19.01.8
21	18.35.0	17.17.5	16.22.5	19.32.5	19.47.5	20.00.0	21.02.5	18·12.5	18.51.2	
31	18.02.5	18.07.5	17.47.5	18.17.5	20.17.5	19.57.5	20.22.5	20.17.5	19.08.8	

The mean Observed Dip obtained from the above ninety-seven observations is 19° 5′ 12″. Betweeen 16th October and 16th November the Observed Dip was about 30′ less than the annual range for that period.

DEFLECTION OBSERVATIONS.

OBSERVATIONS FOR ABSOLUTE DETERMINATIONS OF HORIZONTAL FORCE.

Date and Hour of Göttingen Mean Time, 1860.		Time of one Vibration of A 51 (corrected).	Distance.	Deflected Magnetometer I.				Corresponding Readings.				Absolute Value of X.	LM.
				East Side.		West Side.		Large Horizontal Force.		Small Horizontal Force.			
				North Pole E.	North Pole W.	North Pole E.	North Pole W.	Scale Reading.	Attached Thermometer.	Scale Reading.	Attached Thermometer.		
	D. H.	s.	Ft.						°		°	E. un.	
Jan.	6 19	4.087	1.1	46.930	6.470	46.650	6.150	21.10	75.5	31.25	70.0	8.042	0.0828
			1.2	42.260	11.060	42.040	10.850						
	13 19	4.088	1.1	44.850	4.660	44.900	4.100	20.95	78.2	31.55	72.5	8.044	0.0828
			1.2	40.250	9.310	40.200	8.900						
	20 19	4.088	1.1	45.450	5.010	45.270	4.710	20.67	77.9	31.30	73.0	8.038	0.0828
			1.2	40.800	9.610	40.700	9.450						
	27 19	4.088	1.1	45.380	5.060	45.300	4.700	25.17	77.6	17.55	73.6	8.043	0.0828
			1.2	40.740	9.680	40.660	9.400						
Feb.	3 19	4.082	1.1	45.440	5.120	45.270	4.770	21.37	77.7	19.32	72.1	8.057	0.0828
			1.2	40.800	9.700	40.680	9.460						
	10 19	4.080	1.1	45.480	5.120	45.340	4.800	21.63	80.8	21.27	76.6	8.058	0.0829
			1.2	40.860	9.740	40.740	9.500						
	17 19	4.080	1.1	44.800	4.400	44.660	4.080	20.70	81.1			8.055	0.0829
			1.2	40.140	9.020	40.060	8.760						
	24 19	4.083	1.1	45.260	4.900	45.060	4.580	21.64	79.9	15.40	75.5	8.056	0.0828
			1.2	40.600	9.500	40.500	9.300						
March	2 19	4.083	1.1	45.260	4.900	45.040	4.560	21.30	81.2	15.03	78.11	8.057	0.0828
			1.2	40.600	9.500	40.480	9.320						
	9 19	4.084	1.1	45.850	5.450	45.650	5.130	20.88	81.3	14.73	77.8	8.051	0.0829
			1.2	41.250	10.090	41.000	9.840						
	16 19	4.083	1.1	45.400	5.000	45.200	4.640	21.05	80.7	15.07	77.8	8.052	0.0828
			1.2	40.720	9.600	40.600	9.400						
	23 20	4.083	1.1	44.970	4.630	44.830	4.330	20.29	84.7	15.02	82.2	8.057	0.0828
			1.2	40.340	9.200	40.140	9.020						
	30 19	4.087	1.1	45.280	4.950	45.160	4.660	19.72	85.9	13.94	83.5	8.049	0.0827
				40.660	9.550	40.500	9.320						
April	13 21	4.093	1.1	45.360	5.000	45.200	4.520	17.68	85.1	11.20	83.3	8.019	0.0829
				40.640	9.580	40.540	9.300						
	20 21	4.088	1.1	44.930	4.640	44.750	4.320	19.60	85.3	14.48	83.8	8.053	0.0827
			1.2	40.280	9.260	40.160	9.020						
May	4 18	4.083	1.1	44.740	4.500	44.520	4.160	20.55	85.7	16.36	83.9	8.061	0.0827
			1.2	40.100	9.060	39.920	8.860						
	11 18	4.091	1.1	45.020	4.700	44.860	4.340	18.71	87.3	13.70	84.9	8.040	0.0827
			1.2	40.380	9.300	40.260	9.060						
	25 19	4.088	1.1	45.100	4.860	44.098	4.480	19.21	89.0	14.42	87.0	8.051	0.0827
			1.2	40.400	9.360	40.300	9.200						
June	1 19	4.090	1.1	44.220	4.460	44.340	4.120	19.24	90.6	14.37	88.2	8.077	0.0823
			1.2	39.770	9.030	38.850	8.770						
	8 19	4.087	1.1	43.860	4.340	43.900	3.960	20.09	87.3	15.46	84.1	8.107	0.0820
			1.2	39.440	8.880	39.500	8.640						
	15 19	4.087	1.1	43.700	4.960	43.630	4.610	19.98	86.3	15.85	84.7	8.184	0.0814
			1.2	39.340	9.260	39.240	9.080						
	22 19	4.086	1.1	44.680	4.600	44.540	4.260	20.83	84.6	17.17	81.4	8.072	0.0826
			1.2	40.100	9.160	39.950	8.950						
	30 21	4.091	1.1	44.750	4.490	44.550	4.170	18.43	82.9	13.49	80.2	8.049	0.0826
			1.2	40.100	9.040	39.950	8.850						

OBSERVATIONS FOR ABSOLUTE DETERMINATIONS OF HORIZONTAL FORCE.

Date and Hour of Göttingen Mean Time 1860			Time of one Vibration of A 51 (corrected).	Distance.	Deflected Magnetometer I.				Corresponding Readings.				Absolute Value of X.	LM.
					East Side.		West Side.		Large Horizontal Force.		Small Horizontal Force.			
					North Pole E.	North Pole W.	North Pole E.	North Pole W.	Scale Reading.	Attached Thermometer.	Scale Reading.	Attached Thermometer.		
	D.	H.	s.	Ft.						°		°	E. un.	
July	13	18	4·92	1.1	45.350	5.110	45.120	4.760	19.69	85.8	15.94	83.9	8.050	0.0826
				1.2	40.670	9.690	40.550	9.450						
	20	19	4.090	1.1	44.370	4.260	44.240	3.930	20.29	83.7	17·05	81.9	8.061	0.0825
				1.2	39·800	8.850	39.650	8·600						
	27	19	4.093	1.1	44.530	4.310	44.350	3.970	20.05	85.0	16.85	82.1	8.049	0.0825
				1.2	39.880	8.860	39.720	8.680						
Aug.	10	19	4.093	1.1	44.700	4.600	44.600	4.250	18.71	83.6	14.87	81.1	8.050	0.0825
				1.2	40.130	9.150	40.050	8.910						
	24	19	4.083	1.1	4.475	4.470	44.600	4.160	19.72	85·2	16.34	82.4	8.065	0.0827
				1.2	40.100	9.100	39.950	8.850						
	31	19	4.093	1.1	44.740	4.500	44.540	4.160	19.78	85.2	16.22	82.4	8.046	0.0826
				1·2	40.100	9.060	39.930	8.830						
Sept.	14	19	4.087	1.1	44.520	4.380	44.350	3.970	19.83	85.0	16.64	82.4	8.063	0.0826
				1.2	39.850	8.890	39.750	8.670						
	21	19	4.091	1.1	44·700	4.580	44.550	4.170	19.99	85.8	16.68	82.3	8.056	0·0825
				1.2	40.100	9.120	39.950	8·910						
Oct.	5	19	4.093	1.1	44.920	4.760	44.780	4.380	19.70	85.0	16.11	81.8	8.053	0.0825
				1.2	40.240	9.300	40.140	9.060						
	12	19	4.093	1.1	44.920	4.900	44.820	4.620	19.72	88.5	16·45	84.3	8.049	0.0825
				1.2	40.320	9.060	40.180	9.160						
	19	19	4.088	1.1	44·880	4.750	44·750	4.430	20.53	85.7	17.30	81.5	8.070	0.0825
				1.2	40.200	9.350	40.150	9.150						
	26	19	4.093	1.1	45·500	5.400	45.570	4.950	19.18	89.5	15.73	86.1	8.044	0.0826
				1.2	40.900	10.130	41.000	9.670						
Nov.	2	19	4·095	1.1	45.420	5.190	45.240	4.800						
				1.2	40.760	9.775	40.600	9.500						
	9	19	4.093	1.1	45.270	5.010	45.090	4.690	20·71	83.2	15.40	78.0	8.043	0.0825
				1.2	40.575	9.570	40·410	9.350						
	16	19	4.090	1.1	45.260	5.250	45.180	4.850	21.50	82.0	16.47	76.0	8.048	0.0825
				1.2	40.680	9.810	40.620	9.550						
	23	18	4.090	1.1	45·370	5.200	45·200	4.860	20.40	82.7	14.73	78.7	8.059	0.0825
				1.2	40.700	9.800	40.600	9.500						
	30	19	4.091	1.1	45.240	5.060	45.040	4.700	21.34	81.8	15.75	75.0	8.058	0.0825
				1.2	40·540	9.650	40.450	9.390						
Dec.	7	19	4.093	1·1	45.150	4.940	44.950	4.600	21.26	81.9	15.50	77.4	8.049	0·0826
				1.2	40.520	9,540	40.380	9.280						
	14	19	4.093	1.1	45.100	4.980	44.940	4.600	21.28	81.0	15.68	76.1	8.051	0.0826
				1.2	40.500	9.550	40.350	9.200						
	21	19	4.093	1.1	45·000	4.860	44.800	4.480	20.45	83.9	15.14	78.2	8.054	0.0826
				1.2	40.350	9.430	40.230	9.170						
	28	19	4·093	1.1	45.440	5.300	45.250	4.930	21.12	82.5	15.64	76.2	8.058	0.0825
				1.2	40.760	9.920	40.640	9.600						

BOMBAY GOVERNMENT OBSERVATORY.

TERM-DAY OBSERVATIONS.

1860.

TERM-DAY OBSERVATIONS, ON THE 18TH OF JANUARY 1860.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	22'649	22'444	22'101	22'305	22'444	23'198	23'816	25'394	25'600	24'295	23'816	24'021
5 0	22.718	22.444	22.101	22.101	22.512	23.198	24.226	25.463	25.532	24.226	23.746	24.021
10 0	22.787	22.444	22.101	21.895	22.305	23.198	24.226	25.600	25.394	24.090	23.609	24.021
15 0	22.854	22.512	21.895	22.444	22.787	23.473	24.363	25.669	25.267	24.090	23.746	24.021
20 0	22.787	22.305	22.237	22.237	22.512	23.404	24.502	25.875	25.120	24.021	23.816	24.021
25 0	22.718	22.237	22.168	22.032	22.609	23.198	24.570	25.669	24.983	24.021	23.816	23.953
30 0	22.649	22.374	22.032	22.100	22.787	23.404	24.707	25.737	24.846	23.953	23.953	23.884
35 0	22.581	22.305	22.444	21.758	22.581	23.267	24.846	25.737	24.707	23.953	23.816	23.884
40 0	22.512	22.337	22.444	22.101	22.718	23.677	25.120	25.737	24.570	23.884	23.816	23.816
45 0	22.512	22.237	21.963	22.101	22.923	23.404	26.120	25.806	24.502	23.884	23.884	23.677
50 0	22.512	22.101	22.168	22.168	22.581	23.884	25.326	25.806	24.363	23.884	23.884	23.609
55 0	22.512	21.963	22.101	22.444	22.787	23.540	25.257	25.806	24.295	23.884	23.884	23.609

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
2 0	20.53	20.53	20.61	20.65	20.85	20.81	20.85	21.10	21.20	20.94	20.74	20.35
7 0	20.51	20.52	20.62	20.75	20.83	20.82	20.85	21.10	21.25	20.85	20.69	20.29
12 0	20.51	20.54	20.64	20.65	20.90	20.78	20.89	21.12	21.20	20.85	20.68	20.25
17 0	20.50	20.54	20.60	20.75	20.85	20.74	20.90	21.12	21.16	20.80	20.63	20.23
22 0	20.48	20.54	20.66	20.65	20.76	20.84	20.87	21.12	21.14	20.76	20.54	20.21
27 0	20.48	20.55	20.67	20.71	20.84	20.76	20.90	21.17	21.11	20.75	20.51	20.18
32 0	20.51	20.53	20.65	20.75	20.82	20.80	20.90	21.22	21.10	20.75	20.52	20.14
37 0	20.53	20.54	20.62	20.80	20.94	20.87	20.94	21.25	21.08	20.77	20.50	20.09
42 0	20.54	20.55	20.68	20.85	20.85	20.92	20.93	21.17	21.05	20.78	20.47	20.06
47 0	20.54	20.54	20.65	20.80	20.79	20.92	20.90	21.14	21.00	20.76	20.46	20.06
52 0	20.55	20.57	20.75	20.80	20.82	20.92	20.93	21.10	20.96	20.72	20.45	20.06
57 0	20.53	20.63	20.65	20.75	20.83	20.85	21.00	21.14	20.95	20.72	20.40	20.05
Therm.	75°5	75°1	74°7	74°5	74°0	74°0	75°0	76°0	77°1	78°0	79°5	80°4

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
3 0	41.53	41.55	41.60	41.70	41.80	41.90	42.00	41.80	41.35	41.24	41.09	41.10
8 0	41.54	41.55	41.62	41.70	41.80	49.95	41.98	41.78	41.33	41.24	41.10	41.08
13 0	41.54	41.57	41.63	41.74	41.79	49.96	41.98	41.72	41.34	41.22	41.10	41.08
18 0	41.55	41.59	41.60	41.75	41.80	49.96	49.98	41.70	41.33	41.22	41.10	41.07
23 0	41.53	41.62	41.64	41.73	41.81	41.97	41.98	41.65	41.31	41.20	41.10	41.07
28 0	41.53	41.63	41.62	41.76	41.80	41.94	41.98	41.60	41.29	41.20	41.10	41.04
33 0	41.54	41.64	41.64	41.76	41.84	41.92	41.96	41.55	41.26	41.18	41.10	41.02
38 0	41.54	41.62	41.65	41.76	41.86	41.92	41.95	41.50	41.25	41.16	41.09	41.00
43 0	41.54	41.59	41.65	41.77	41.85	41.96	41.93	41.45	41.25	41.15	41.10	41.00
48 0	41.53	41.56	41.67	14.78	41.88	41.98	41.91	41.47	41.26	41.15	41.08	41.00
53 0	41.53	41.58	41.70	41.78	41.92	41.99	41.89	41.48	41.26	41.12	41.07	41.00
58 0	41.55	41.60	41.69	41.80	41.90	41.99	41.82	41.42	41.25	41.10	41.08	41.00
Therm.	76°4	76°1	75°6	75°4	75°0	74°9	75°0	75°1	75°8	76°5	77°5	78°5

TERM-DAY OBSERVATIONS, ON THE 18TH OF JANUARY 1860.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	23'540	22'512	22'374	22'444	22'444	22'991	24'060	23'854	22'923	23'404	22'787	22'649
5 0	23.473	22.444	22.444	22.444	22.581	22.991	22.991	22.854	22.923	23.473	22.512	22.649
10 0	23.267	22.444	22.512	22.444	22.581	23.060	22.923	22.854	22.787	23.267	22.718	22.649
15 0	23.130	22.374	22.512	22.444	22.581	22.991	22.923	22.854	22.854	23.198	22.581	22.649
20 0	23.130	22.374	22.581	22.444	22.649	23.060	22.854	22.854	22.854	23.198	22.649	22.512
25 0	22.854	22.374	22.581	22.444	22.718	23.060	22.787	22.834	22.854	23.198	22.649	22.512
30 0	22.718	22.374	22.581	22.444	22.787	22.991	22.787	22.854	23.130	23.130	22.581	22.237
35 0	22.512	22.374	22.581	22.374	22.787	22.991	22.787	22.854	23.267	23.130	22.581	22.649
40 0	22.374	22.374	22.581	22.374	22.854	22.991	22.854	22.854	23.267	22.991	22.444	22.649
45 0	22.444	22.444	22.581	22.374	22.923	23.060	22.854	22.854	23.130	22.991	22.374	22.649
50 0	22.512	22.444	22.512	22.374	22.923	22.991	22.854	22.854	23.130	23.060	22.444	22.581
55 0	22.444	22.305	22.441	22.374	22.923	23.060	22.854	22.718	23.198	22.923	22.649	22.581

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
2 0	20·03	19.82	19.74	19.91	20.02	19.93	19.92	19.99	20.00	20.13	20.25	20.38
7 0	20.04	19.82	19.75	19.92	19.98	19.92	19·89	19.98	20.05	20.16	20.25	20.38
12 0	20.04	19.83	19 80	19.97	19.99	19.94	19.92	19.91	19.98	20·16	20.25	20.39
17 0	20.03	19.83	19.81	19 99	20.02	19.92	19.94	19.94	20.00	20·20	20.28	20.39
22 0	20.00	19.82	19.81	20.00	20 03	19.92	19.97	19.94	20.00	20.20	20.33	20.44
27 0	19·95	19.82	19.83	20.01	19.97	19.92	19.97	19·95	20.05	20.22	20.35	20.44
32 0	19.90	19.8	19.83	20.01	19.98	19.92	19.97	19.99	20,00	20.24	20.35	20.44
37 0	19.91	19.76	19.83	20.03	19.97	19.93	19 97	19.99	20.06	20.24	20.37	20.45
42 0	19.90	19.71	19.84	20.05	19.92	19 93	20.00	20.00	20.06	20.26	20.38	20.42
47 0	19.88	19·70	19.84	20.07	19.91	19.90	20.02	20.00	20.09	20 26	20.40	20.42
52 0	19.85	19.70	19.87	20.10	19 94	19.87	20.00	20.02	20.15	20.25	20.39	20.36
57 0	19.85	19.72	19.90	20.07	19 92	19.91	19.96	20.02	20.20	20.30	20.40	20.34
Therm.	80°6	81°3	81°2	80°2	79°0	78°3	77°8	77°2	76°6	76°0	76°0	75°9

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
3 0	41.00	40.85	40.96	41.02	41·19	41.32	41.40	41.38	41.40	41.51	41.57	41.68
8 0	40.95	40.85	40.96	41.02	41.22	41.33	41.45	41·38	41.40	41 53	41.58	41.68
13 0	40.90	40.85	40.96	41.02	41.23	41.33	41.42	41.40	41.40	41.55	41.56	41.70
18 0	40.88	40.85	40.98	41.03	41.25	41.32	41.40	41·40	41.41	41.55	41.58	41.70
23 0	40.85	40.85	40.99	41.03	41.26	41.32	41.36	41.38	41.41	41.54	41.57	41.65
28 0	40.85	40·85	41.00	41.05	41.27	41.33	41.35	41.38	41.43	41.55	41.55	41.65
33 0	40·85	40.88	41 00	41.08	41.30	41.30	41.35	41.38	41.44	41.56	41.62	41·68
38 0	40.85	40 90	41.02	41.10	41.32	41.30	41.35	41.38	41.44	41.56	41.65	41.70
43 0	40.85	40.90	41.02	41.10	41.34	41 33	41.35	41.40	41.45	41.56	41.64	41.68
48 0	40·85	40.94	41.02	41.12	41.34	41.34	41.35	41.38	41.48	41.56	41.63	41.68
53 0	40.88	40.96	41.02	41.17	41.32	41.36	41.35	41.38	41.50	41.56	41.65	41.70
58 0	40.88	40.95	41.02	41.18	41.32	41.36	40.38	41.40	41.50	41.56	41.68	41.66
Therm.	79°2	79°5	80°0	80°0	79°5	78°8	78°4	77°6	77°3	77°0	76°7	76°5

TERM-DAY OBSERVATIONS, ON THE 24TH OF FEBRUARY 1860.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	23'473	23'267	23'130	23'060	23'060	23'198	24'090	24'295	23'609	23'130	22'237	22'649
5 0	23.540	23.335	22.854	23.060	23.130	23.267	24.159	24.295	23.540	22.991	22.237	22.718
10 0	23.677	23.473	22.991	23.130	23.198	23.335	24.090	24.295	23.473	22.787	22.168	22.787
15 0	23.473	23.198	23.130	23.198	23.267	23.473	24.090	24.295	23.473	22.787	22.168	22.787
20 0	23.130	23.267	22.854	23.198	23,267	23.677	24.159	24.295	23.404	22.581	22.237	22.787
25 0	23.473	23.267	22.787	23.198	23.198	23.816	24.295	24.159	23.198	22.512	22.237	22.787
30 0	23.404	23.335	22.787	23.198	23.130	23.746	24.295	24.159	23.130	22.444	22.237	22.787
35 0	23.130	22.923	22.854	23.267	23.198	23.884	24.295	24.159	23.130	22.512	22.305	22.787
40 0	23.404	22.923	22.991	23.060	23.267	23.953	24.295	24.021	23.060	22 374	22.444	22.718
45 0	23.404	22.854	23.060	22.991	23.335	23.953	24.363	23.884	23.060	22.444	22.512	22.718
50 0	23.198	22.649	23.060	23.198	23.267	24.021	24.502	23.816	22.991	22.374	22.581	22.586
55 0	23.473	22.444	22.854	23.060	23.267	23.963	24.432	23.816	22.923	22.374	22.581	22.512

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
2 0	20.32	20.30	20.45	20.54	20.60	20.76	21.15	21.40	21.65	21.61	21.53	21.20
7 0	20.31	20.31	20.47	20.53	20.62	20.78	21.13	21.43	21.68	21.61	21.49	21.20
12 0	20.32	20.23	20.50	20.51	20.61	20.78	21.16	21.44	21.70	21.60	21.45	21.19
17 0	20.32	20.33	20.52	20.49	20.60	20.80	21.16	21.45	21.70	21.60	21.42	21.18
22 0	20.32	20.30	20.51	20.53	20.62	20.83	21.17	21.46	21.69	21.59	21.39	21.16
27 0	20.28	20.43	20.50	20.55	20.63	20.88	21.21	21.50	21.68	21.59	21.37	21.14
32 0	20.33	20.41	20.50	20.60	20.66	20.88	21.22	21.56	21.66	21.59	21.36	21.09
37 0	20.27	20.44	20.50	20.58	20.68	20.88	21.24	21.56	21.65	21.57	21.34	21.04
42 0	20.27	20.46	20.53	20.58	20.69	20.92	21.28	21.58	21.66	21.56	21.33	21.01
47 0	20.20	20.48	20.55	20.59	20.70	20.97	21,32	21.60	21.66	21.55	21.31	21.00
52 0	20.30	20.47	20.54	20.61	20.71	21.03	21.36	21.65	21.64	21.54	21.28	20.96
57 0	20.32	20.50	20.52	20.60	20.74	21.09	21,39	21.65	21.63	21.54	21.23	20.91
Therm.	77°1	77°0	77°0	76°9	76°5	75°9	76°8	77°8	78°8	79°9	80°2	80°5

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
3 0	44.77	44.83	44.75	44.80	44.84	44.85	44.81	44.59	44.40	44.42	44.57	44.71
8 0	44.78	44.85	44.72	44.78	44.83	44.87	44.78	44.58	44.45	44.42	44.55	44.69
13 0	44.79	44.83	44.75	44.78	44.80	44.85	44.75	44.54	44.45	44.42	44.56	44.67
18 0	44.78	44.80	44.75	44.80	44.77	44.84	44.74	44.52	44.45	44.45	44.58	44.66
23 0	44.76	44.80	44.80	44.80	44.77	44.82	44.74	44.50	44.47	44.45	44.60	44.66
28 0	44.75	44.78	44.82	44.80	44.76	44.80	44.72	44.45	44.47	44.46	44.63	44.68
33 0	44.76	44.76	43.80	44.80	44.75	44.83	44.71	44.44	44.46	44.50	44.65	44.68
38 0	44.77	44.76	44.82	44.82	44.74	44.85	44.70	44.44	44.46	44.53	44.67	44.68
43 0	44.77	44.76	44.84	44.82	44.74	44.86	44.68	44.42	44.43	44.55	44.68	44.66
48 0	44.77	44.76	44.85	44.82	44.73	44.87	44.66	44.40	44.43	44.56	44.69	44.65
53 0	44.80	44.79	44.85	44.80	44.78	44.86	44.65	44.40	44.42	44.56	44.71	44.65
58 0	44.76	44.79	44.82	44.80	44.82	44.83	44.60	44.40	44.42	44.56	44.72	44.65
Therm.	78°1	78°0	78°0	77°6	77°3	76°9	77°0	77°6	78°4	79°0	79°2	80°0

TERM-DAY OBSERVATIONS, ON THE 24TH OF FEBRUARY 1860.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	22'512	22'512	22'649	22'718	22'374	22'854	23'060	22'512	22'649	22'787	23'130	23'581
5 0	22.512	22.512	22.649	22.718	22.237	22.854	23.130	22.512	22.923	22.787	24.130	23.581
10 0	22.512	22.512	22.649	22.649	22.237	22.787	23.130	22.512	22.991	22.991	23.198	23.512
15 0	22.512	22.444	22.649	22.649	22.237	22.787	23.130	22.512	22.991	23.060	23.198	23.512
20 0	22.512	22.444	22.581	22.444	22.237	22.854	22.991	22.512	22.923	23.060	23.267	23.444
25 0	22.512	22.512	22.581	22.444	22.305	22.923	22.854	22.581	22.923	23.130	23.305	23.374
30 0	22.512	22.512	22.581	22.444	22.444	22.991	22.854	22.581	22.991	23.130	23.305	23.374
35 0	22.512	22.444	22.581	22.444	22.581	23.060	22.787	22.649	23.060	23.060	23.374	23.305
40 0	22.512	22.512	22.718	22.444	22.581	23.130	22.512	22.581	23.130	23.060	23.374	23.198
45 0	22.444	22.512	22.787	22.444	22.649	23.130	22.512	22.512	22.923	23.130	23.444	23.198
50 0	22.374	22.512	22.718	22.444	22.718	23.060	22.581	22.649	22.851	23.130	23.581	23.267
55 0	22.512	22.444	22.718	22.444	22.718	23.060	22.787	22.718	22.991	23.060	23.512	23.198

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
2 0	20.89	20.50	20.21	20.28	20.29	20.21	20.19	20.30	20.25	20.35	20.40	20.72
7 0	20.88	20.45	20.20	20.29	20.27	20.20	20.20	20.26	20.23	20.34	20.43	20.71
12 0	20.82	20.40	20.20	20.29	20.24	20.22	20.22	20.25	20.24	20.32	20.47	20.69
17 0	20.79	20.39	20.20	20.30	20.22	20.20	20.18	20.26	20.24	20.31	20.52	20.68
22 0	20.76	20.36	20.21	20.31	20.21	20.17	20.20	20.27	20.25	20.32	20.55	20.69
27 0	20.73	20.32	20.21	20.32	20.22	20.15	20.23	20.25	20.25	20.36	20.58	20.70
32 0	20.71	20.30	20.23	20.33	20.21	20.15	20.23	20.23	20.24	20.40	20.60	20.72
37 0	20.65	20.25	20.23	20.35	20.21	20.16	20.23	20.20	20.28	20.40	20.62	20.74
42 0	20.62	20.24	20.25	20 35	20.19	20.17	20.30	20.20	20.34	20.41	20.63	20.73
47 0	20.61	20.24	20.25	20.35	20.19	20.17	20.28	20.20	20.33	20.37	20.64	20.72
52 0	20.59	20 23	20.26	20.35	20.20	20.18	20.26	20.23	20.33	20.35	20.67	20.74
57 0	20.51	20.22	20.26	20.35	20.22	20.19	20.28	20.25	20.34	20.39	20.69	20.75
Therm.	80°7	80°7	80°5	80°0	78°9	78°5	78°0	78°0	77°5	76°9	76°6	76°5

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
3 0	44.63	44.50	44.48	44.50	44.48	44.75	44.82	44.73	44.57	44.72	44.74	44.70
8 0	44.62	44.48	44.45	44.50	44.50	44.75	44.84	44.74	44.58	44.73	44.74	44.74
13 0	44.55	44.50	44.48	44.50	44.54	44.76	44.84	44.70	44.62	44.74	44.73	44.76
18 0	44.52	44.49	44.50	44.50	44.57	44.76	44.82	44.65	44.63	44.74	44.72	44.79
23 0	44.51	44.46	44.50	44.51	44.61	44.75	44.83	44.61	44.62	44.75	44.70	44.83
28 0	44.50	44.46	44.51	44.52	44.64	44.76	44.84	44.57	44.62	44.76	44.69	44.86
33 0	44.49	44.45	44.50	44.53	44.66	44.76	44.83	44.54	44.61	44.76	44.69	44.88
38 0	44.49	44.45	44.50	44.52	44.69	44.76	44.82	44.50	44.64	44.78	44.71	44.91
43 0	44.49	44.48	44.50	44.50	44.69	44.77	44.77	44.50	44.65	44.78	44.72	44.95
48 0	44.45	44.49	44.50	44.50	44.70	44.77	44.79	44.50	44.67	44.78	44.73	44.96
53 0	44.47	44.49	44.48	44.50	44.72	44.78	44.80	44.51	44.67	44.78	44.72	44.98
58 0	44.49	44.49	44.50	44.43	44.74	44.80	44.80	44.52	44.70	44.78	44.70	45.00
Therm.	80°1	80°6	81°0	80°5	79°8	79°0	78°8	78°7	78°4	77°6	77°5	77°2

TERM-DAY OBSERVATIONS, ON THE 21ST OF MARCH 1860.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	23'404	23'404	23'198	23'130	23'473	25'326	25'737	25'943	25'532	24'021	22'305	22'581
5 0	23.404	23.335	23.198	23.130	23.404	25.532	25.875	25.875	25.463	23.816	22.237	22.581
10 0	23.404	23.267	23.198	23.130	23.677	25.463	25.943	25.806	25.326	23.540	22.168	22.581
15 0	23.404	23.198	23.198	23.130	23.884	25.463	25.943	25.737	25.189	23.335	22.101	22.649
20 0	23.404	23.130	23.198	23.198	23.953	25.463	25.943	25.737	24.914	23.335	22.101	22.649
25 0	23.404	23.198	23.198	23.267	24.295	25.326	25.943	25.737	24.776	23.060	22.032	22.787
30 0	23.473	23.130	23.198	23.267	24.502	25.326	25.943	25.806	24.707	22.923	22.237	22.854
35 0	23.473	23.130	23.198	23.335	24.639	25.532	25.943	25.806	24.639	22.718	22.374	22.854
40 0	23.473	23.130	23.267	23.473	24.639	25.737	26.012	25.806	24.363	22.581	22.374	22.923
45 0	23.473	23.198	23.267	23.540	24.639	25.532	26.080	25.737	24.363	22.512	22.444	22.923
50 0	23.473	23.198	23.130	23.540	24.846	25.669	26.149	25.737	24.295	22.444	22.512	22.923
55 0	23.404	23.198	23.060	23.609	24.983	25.943	26.080	25.669	24.226	22.374	22.581	22.991

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
2 0	19.32	19.33	19.40	19.45	19.50	19.77	20.26	20.75	20.76	20.70	20.44	19.94
7 0	19.33	19.33	19.40	19.43	19.45	19.82	20.30	20.77	20.88	20.68	20.44	19.91
12 0	19.33	19.32	19.42	19.40	19.50	19.88	20.34	20.78	20.79	20.67	20.42	19.90
17 0	19.34	19.32	19.42	19.40	19.53	19.96	20.39	20.81	20.82	20.67	20.40	19.90
22 0	19.34	19.32	19.42	19.44	19.58	19.95	20.42	20.84	20.86	20.67	20.35	19.90
27 0	19.34	19.30	19.43	19.46	19.60	19.98	20.44	20.84	20.90	20.65	20.28	19.90
32 0	19.35	19.33	19.43	19.46	19.62	19.99	20.50	20.85	20.90	20.61	20.21	19.88
37 0	19.35	19.35	19.42	19.46	19.63	20.04	20.58	20.87	20.92	20.57	20.15	19.85
42 0	19.34	19.38	19.41	19.41	19.62	20.06	20.61	20.88	20.80	20.59	20.12	19.82
47 0	19.35	19.39	19.45	19.38	19.61	20.12	20.63	20.84	20.75	20.56	20.06	19.83
52 0	19.35	19.40	19.46	19.40	19.66	20.18	20.69	20.81	20.69	20.53	20.01	19.82
57 0	19.34	19.41	19.45	19.44	19.72	20.23	20.73	20.79	20.69	20.44	19.98	19.81
Therm.	80°2	79°9	79°7	79°6	78°6	78°2	79°0	80°0	81°6	82°7	84°0	84°5

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
3 0	45.98	45.90	45.92	46.24	46.00	46.13	46.00	45.68	45.49	45.25	45.04	45.28
8 0	45.96	45.89	45.92	46.21	46.00	46.10	45.98	45.66	45.44	45.24	45.04	45.32
13 0	45.94	45.90	45.92	46.18	46.03	46.10	45.94	45.64	45.35	45.18	45.05	45.32
18 0	45.91	45.89	45.92	46.16	46.05	46.10	45.91	45.61	45.33	45.11	45.03	45.36
23 0	45.90	45.88	45.94	46.18	46.05	46.08	45.87	45.60	45.27	45.09	45.02	45.35
28 0	45.90	45.87	45.96	46.20	46.07	46.05	45.84	45.58	45.24	45.10	45.04	45.37
33 0	45.91	45.88	45.98	46.19	46.12	46.03	45.80	45.55	45.18	45.06	45.10	45.40
38 0	45.92	45.90	45.99	46.19	46.14	46.06	45.77	45.54	45.15	45.08	45.12	45.43
43 0	45.92	45.91	46.00	46.20	46.15	46.05	45.75	45.52	45.14	45.08	45.11	45.45
48 0	45.91	45.91	46.19	46.20	46.15	46.06	45.75	45.52	45.15	45.05	45.14	45.43
53 0	45.92	45.90	46.17	46.21	46.15	46.04	45.74	45.50	45.15	45.05	45.19	45.41
58 0	45.90	45.90	46.15	46.25	46.15	46.02	45.71	45.49	45.30	45.06	45.25	45.42
Therm.	81°0	80°8	80°4	80°4	80°0	79°6	80°0	80°3	81°2	82°4	83°3	84°2

TERM-DAY OBSERVATIONS, ON THE 21ST OF MARCH 1860.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	23'060	23'198	23'335	23'130	23'130	22'718	23'130	22'923	23'540	23'953	23'884	24'021
5 0	23.060	23.130	23.335	23.060	23.198	22.923	23·130	22.923	23.609	23.884	23.884	24.021
10 0	23.130	23.130	23.335	22.923	23.130	22.991	23.198	22.923	23.609	23.816	23.953	23.953
15 0	23.130	23.198	23.473	22.923	23.198	23.060	23.198	22.991	23.677	23.816	23.884	24.021
20 0	23.198	23.267	23.404	22.923	23.267	23.060	23.130	22.991	23.746	23.816	23.953	24.090
25 0	23.198	23.335	23.473	22.854	23.267	23.130	23.198	23.060	23.816	23.816	23.953	24.021
30 0	23.198	23.404	23.335	22.854	23.335	23.130	23.198	23.130	23.884	23.816	23.816	23.953
35 0	23.198	23.335	23.335	22.787	23.130	23.060	23.267	23.198	23.953	23.884	23.884	23.811
40 0	23.198	23.335	23.267	22.854	22.787	23.130	23.060	23.335	24.021	23.953	23.953	23.953
45 0	23.130	23.404	23.267	22.854	22.787	23.198	22.854	23·473	24.021	23.884	23.953	23.953
50 0	23.198	23·335	23.267	23.060	22·649	23.198	22.854	23·540	24.090	23.884	24.021	24.021
55 0	23.198	23.335	23.198	23.130	22.581	23.198	22.854	23.473	24.021	23.816	24.021	24.090

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
2 0	19.80	19.56	19·20	19.04	18.95	18.86	18.86	19.01	18.78	18.75	18.87	18.86
7 0	19.80	19.50	19.17	19.01	18.93	18.85	18.90	18.97	18.76	18.76	18.86	18.85
12 0	19.77	19.44	19.13	18.96	18.92	18.83	18.88	18.96	18.74	18.78	18.89	18·86
17 0	19.75	19.42	19.09	18·94	18.91	18·83	18.90	18.93	18.72	18·80	18.88	18.88
22 0	19.74	19.40	19.04	18.94	18.91	18·84	18.92	18.90	18.70	18·82	18.89	18.90
27 0	19.72	19.39	19.04	18.93	18·90	18.83	18.92	18·88	18.73	18.84	18.90	18.89
32 0	19.71	19.38	19.05	18.92	18.91	18.85	18.91	18.89	18.75	18.85	18.89	18.92
37 0	19.71	19.34	19.04	18.93	18·89	18.88	18.92	18·87	18.77	18.85	18·87	18·95
42 0	19.70	19.32	19·05	18.94	18.88	18·89	19.01	18.85	18.78	18.85	18.86	18.92
47 0	19.68	19.30	19.05	18·91	18.89	18.91	19.08	18.84	18.78	18.87	18.86	18·90
52 0	19·64	19.24	19·05	18.94	18.92	18.93	19.10	18.81	18.78	18.87	18.85	18.93
57 0	19.61	19.21	19.05	18.95	18.90	18.86	19.06	18.80	18.78	18.82	18.85	18.94
Therm.	84°9	85°3	85°4	84°4	83°3	82°5	82°0	81°8	81°8	81°4	81°0	80°6

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
3 0	45.42	45.35	45.25	45.25	45.40	45.56	45.40	45.40	45.50	45.50	45.85	45.82
8 0	45.42	45.32	45.27	45.25	45.42	45.58	45.40	45.40	45.45	45.60	45.77	45·84
13 0	45.40	45.34	45.27	45.27	45.44	45.60	45.42	45.40	45.43	45.70	45.85	45.85
18 0	45.40	45.31	45.30	45.27	45.46	45.62	45.40	45.41	45.42	45.75	45.83	45.83
23 0	45·40	45.30	45.30	45.29	45.48	45.62	45.41	45.42	45.40	45.80	45.84	45.81
28 0	45.40	45.28	45.27	45.30	45.50	45.62	45.40	45.43	45.42	45.88	45.82	45.80
33 0	45.38	45.29	45.28	45.28	45.50	45.64	45.36	45.42	45·43	45.95	45.80	45.81
38 0	45.39	45.28	45.29	45.29	45.48	45.64	45.34	45.44	45.42	45.96	45.79	45.82
43 0	45.38	45.28	45.26	45.30	45.47	45.66	45.34	45.45	45.42	45·97	45.78	45.80
48 0	45.38	45.27	45.25	45.34	45.48	45.68	45.35	45.45	45.44	45.97	45.78	45.78
53 0	45.39	45.28	45.29	45.39	45.50	45.70	45·35	45.48	45.47	45.95	45.79	45.80
58 0	45.38	45.26	45.27	45.40	45.53	45.68	45.40	45.49	45.48	45.98	45.80	45.80
Therm.	84°8	85°2	85°5	85°5	84°6	83°6	83°3	83°0	82°8	82°5	82°3	82°0

TERM-DAY OBSERVATIONS, ON THE 18TH OF APRIL 1860.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	23'953	23'335	23'816	23'746	24'363	26'012	25'737	24'846	22'923	21'619	20'933	20'933
5 0	23.816	23.267	23.816	23.677	24.896	26.218	25.532	24.776	22.854	21.482	20.796	21.002
10 0	23.953	23.473	23.816	23.540	25.189	25.806	25.326	24.432	22.854	21.345	20.728	21.071
15 0	23.844	23.677	23.746	23.540	25.189	25.806	25.189	24.226	22.787	21.415	20.865	21.208
20 0	24.159	23.609	23.677	23.609	24.983	25.737	24.914	24.295	22.718	21.345	21.002	21.208
25 0	24.090	23.540	23.540	23.677	25.442	26.012	25.120	24.295	22.581	21.345	20.659	21.139
30 0	23.953	23.746	23.404	23.609	25.257	26.149	25.120	24.021	22.512	21.276	20.728	21.139
35 0	23.816	23.884	23.335	23.609	25.326	26.012	25.326	23.746	22.444	21.276	20.522	21.415
40 0	23.816	23.953	23.267	23.746	25.442	26.080	25.394	23.677	22.305	21.208	20.590	21.276
45 0	23.540	24.021	23.198	23.884	25.943	25.875	25.120	23.473	22.101	21.139	20.590	21.345
50 0	23.404	24.021	23.404	23.953	25.757	25.806	25.051	23.267	21.895	21.071	20.522	21.415
55 0	23.473	23.884	23.677	23.226	25.669	25.806	25.051	23.130	21.826	21.002	20.659	21.415

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
2 0	18·88	19.36	19.13	19.15	18.83	19·00	19.39	19.73	19.84	19.79	19.36	19.34
7 0	18.95	19.40	19.16	19.17	18.80	19.00	19.42	19.74	19.81	19.73	19.37	19.29
12 0	19.00	19.35	19.15	19.14	18.77	19.05	19.44	19.75	19.82	19.70	19.38	19.30
17 0	19.10	19.30	19.11	19.13	18.85	19.03	19.50	19.75	19.83	19.62	19.40	19.28
22 0	19.10	19.32	19.06	191.2	18.83	19.06	19.55	19.75	19.82	19.57	19.40	19.26
27 0	19.08	19.30	19.10	19·17	18.88	19.10	19.55	19.75	19.84	19.54	19.40	19.29
32 0	19.12	19.28	19.16	19.21	18.90	19.15	19.56	19.80	19.84	19.50	19.40	19.25
37 0	19.15	19.26	19.18	19.23	18.93	19.31	19.62	19.82	19.84	19.46	19.40	19.25
42·0	19.18	19.25	19.17	19.23	18.97	19.35	19.64	19.87	19.84	19·43	19.36	19.24
47 0	19.24	19.25	19.15	19.22	19.00	19.36	19.70	19.94	19.84	19.43	19.37	19.24
52 0	19.26	19.18	19.18	19.24	19.04	19.37	19.72	19.94	19.82	19.42	19.35	19.24
57 0	19.34	19,16	19.16	19.28	19.20	19.40	19.70	19.88	19.80	19.37	19.35	19.19
T herm.	81°6	81°2	80°8	80°5	80°0	80°1	81°0	82°5	83°6	84°5	85°0	85°0

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
3 0	42.75	42.76	42.84	42.84	43.17	43.17	42.87	42.54	42.23	41.99	42.21	42.40
8 0	42.78	42.75	42.86	42.86	43.22	53.15	42.82	42.53	42.23	41.99	42.21	42.45
13 0	42.81	42.76	42.89	42.89	43.25	43.12	42.80	42.51	42.22	42.00	42.20	42.48
18 0	42.83	42.78	42.86	42.91	43·26	43.15	42.76	42.50	42.20	42.00	42.23	42.50
23 0	42.82	42.78	42·84	42.92	43.28	43.15	42.72	42.46	42.19	42.02	42.25	42.47
28 0	42.83	42.80	42.87	42.93	43.25	43.00	42.70	42.45	42.17	42.05	42.25	42.48
33 0	42.80	42.80	42.91	42.95	43.25	42.91	42.66	42.40	42.16	42.10	42.32	42.46
38 0	42.76	42.80	42.89	42.96	43.23	42.95	42.62	42.35	42.15	42.12	42.32	42.47
43 0	42.75	42.80	42.86	43.00	43.23	42.95	42.55	42.30	42.12	42.15	42.30	42.45
48 0	42.77	42.79	42.84	43.04	43.23	42.92	42.52	42.24	42.07	42.13	42.27	42.45
53 0	42.76	42.79	42.84	43.09	43.22	42.92	42.50	42.20	42.05	42.18	42.30	42.48
58 0	42.76	42.82	42·82	43.18	43.20	42.90	42.53	42.20	42.02	42·20	42.30	42.50
Therm.	82°6	82°3	82°0	81°8	81°0	81°0	81°7	82°8	83°5	84°2	85°0	85°2

TERM-DAY OBSERVATIONS, ON THE 18TH OF APRIL 1860.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	21'758	23'335	24'226	24'021	23'540	23'198	23'232	23'953	23'884	24'159	24'090	23'816
5 0	21·826	23.335	24.159	24.021	23.335	23.198	23.198	23.953	23.816	24.159	24.021	23 816
10 0	21.826	23.609	24.226	24.090	23.335	23.267	23.335	24.021	23.746	24.226	24.021	23.816
15 0	21.895	23.677	24.159	24.021	23.335	23.060	23.335	24.021	23.816	24.295	24.021	23.746
20 0	22.101	23.884	24.159	23.953	23.130	22.787	23.404	24.021	23.816	24.363	24.021	23.609
25 0	22.305	23.884	24.159	23.884	22.957	22.787	23.404	24.021	23.884	24.432	24.021	23.609
30 0	22.444	23.884	24.159	23.816	22.718	22.923	23.473	24.021	23.953	24.363	24.021	23.609
35 0	22.581	23.953	24.159	23.746	22.718	22.854	23.473	24.159	24.021	24.226	24.021	23.609
40 0	22.923	23.884	24.226	23.746	22.854	23.060	23.746	24.159	24.090	24.159	24.021	23.697
45 0	23.130	23.953	24.226	23.746	22.923	23.130	23.884	24.159	24.159	24.159	24.159	23.540
50 0	23.130	24.021	24.226	23.677	22.991	23.198	23.953	24.090	24.090	24.090	24.021	23.540
55 0	23.198	24.159	24.159	23.540	23.060	23.130	23.746	24.090	24.159	24.090	24.021	23.609

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
2 0	19.11	18.85	18.75	18.77	18.75	18.67	18.92	18.47	18.55	18.53	18.70	18.86
7 0	19.08	18.85	18.77	18.79	18.85	18.64	18.81	18.46	18.56	18.55	18.73	18·85
12 0	19.05	18.83	18·76	18·80	18.78	18.72	18.84	18.48	18.54	18.57	18.66	18.85
17 0	19.05	18.80	18.77	18.81	18.71	18·81	18.85	18.50	18.53	18.60	18.71	18.89
22 0	19.04	18.77	18.76	18.76	18.77	18.84	18.76	18.52	18.52	18.64	18.67	18.88
27 0	18.96	18.74	18.75	18.77	18.72	18.92	18·70	18.46	18.51	18.67	18.69	18.89
32 0	18.92	18·72	18.74	18.76	18.75	19.00	18.60	18.45	18.52	18.69	18.73	18.91
37 0	18.90	18.70	18.72	18·76	18.70	18.94	18.56	18.40	18.52	18.70	18 62	18.92
42 0	18.87	18.73	18.71	18.75	18.70	18.88	18.48	18.42	18.56	18.72	18.62	18.90
47 0	18.90	18.72	18.70	18.74	18.75	18.95	18.45	18·44	18 58	18.72	18.64	18.94
52 0	18.86	18.75	18·73	18.73	18.67	18.93	18.44	18.45	18.57	18.72	18.74	18.97
57 0	18.88	18.75	18.75	18.75	18.60	18.83	18.46	18.52	18.54	18.71	18.81	18.96
Therm.	85°1	84°9	84°5	83°9	83°2	84°9	82°6	82°3	82°2	82°0	81°9	81°8

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
3 0	42.52	42.79	42.80	42.65	42.57	42.60	42·63	42.82	42·84	42.97	42.81	43.48
8 0	42.70	42·78	42.78	42·60	42.59	42.64	42.72	42.83	42.88	42.91	42.80	43.45
13 0	42.75	42.80	42.77	42.57	42.70	42.55	42.72	42.82	42.86	42.87	42.78	43.45
18 0	42.72	42.80	42.78	42.55	42.70	42.55	42.73	42.85	42.85	42.84	42.75	43.50
23 0	42.70	42.82	42.77	42.55	42.70	42.58	42.74	42.85	42.87	42.79	42.75	43·45
28 0	42.70	42.85	42.77	42.55	42.45	42.52	42.75	42.87	42.89	42.78	42.75	43.49
33 0	42.72	42.85	42.78	42.56	42.50	42·59	42.75	42.88	42.92	42.76	42.80	43.52
38 0	42.75	42.86	42·76	42.56	42.50	42.63	42.75	42.90	42.94	42.75	42·82	43.55
43 0	42.78	42.84	42.76	42.55	42.50	42.65	42.78	42.90	42·94	42.75	42.82	43.58
48 0	42.78	42.82	42.75	42.56	42.55	42.62	42.80	42.89	42.95	42.73	42.84	43.65
53 0	42.78	42.84	42.73	42.55	42.55	42.64	42.80	42.89	42.96	42.76	42.82	43.65
58 0	42·78	42.82	42.68	42.56	42·54	42.68	42.82	42.85	42.97	42.78	43.45	43.60
Therm.	85°8	85°9	86°0	85°9	85°0	84°2	83°0	83°5	83°3	83°1	87°0	83°0

TERM-DAY OBSERVATIONS, ON THE 25TH OF MAY 1860.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	23·060	23·609	23·130	23·746	25·600	26·766	26·904	26·149	25·120	23·746	21·619	21·963
5 0	23.060	23.609	23.267	23·816	25.806	26.800	26.835	26·080	25.120	23.609	21.619	21.826
10 0	23.130	23.677	23.335	23.884	25.875	26.835	26.904	25.943	25·120	23.130	21.551	21.895
15 0	23.198	23.609	23.335	24.021	26.012	26.904	26.904	25.875	25.120	23.130	21.482	21.895
20 0	23.198	23.473	23·404	24.090	26.080	26.972	26.904	25.875	25.051	22.787	21.482	22·101
25 0	23.267	23.267	23.335	24.159	26.218	26.972	26.904	25.806	25.051	22.681	21.551	22.031
30 0	23.335	23.060	23.404	24.363	26.355	26.972	26.835	25.737	24·983	22.581	21.551	21.826
35 0	23.473	22.991	23.473	24.570	26.355	26.972	26.629	25.669	24.570	22.305	21.551	21.826
40 0	23.473	22.923	23.540	24.776	26.561	27.006	26.492	25.463	24.226	21.963	21.551	21.963
45 0	23.540	22.923	23.534	24.983	26.629	27.041	26.423	25·326	24.159	21.963	21.619	22.168
50 0	23.540	22·923	23.609	25.257	26.663	28.006	26.355	25.189	24.159	21.895	21.758	22.101
55 0	23.609	22.991	23.677	25.394	26.698	26.972	26.355	25.120	24·021	21.758	21.688	22.101

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
2 0	18.75	18.63	18.55	18.59	18.69	18.85	19.04	19.25	19.30	19.22	19.08	18.91
7 0	18.70	18.42	18.53	18.60	18.70	18·83	19.08	19.27	19.30	19.22	19·08	18.92
12 0	18.65	18·48	18.53	18.60	18·71	18.86	19.10	19.30	19.30	19.23	19.07	18·92
17 0	18.66	18.49	18.55	18.61	18.73	18.89	19.11	19.28	19.29	19.24	19.05	18.97
22 0	18.68	18.50	18.58	18.62	18.77	18.90	19·10	19.28	19.29	19·21	19.04	18.93
27 0	18.69	18.52	18.59	18.62	18.79	18.92	19·10	19.30	19.28	19.19	19.05	18.92
32 0	18.66	18·53	18.58	18.63	18.79	18.98	19.14	19.29	19.28	19.19	19.04	18.91
37 0	18.67	18.52	18.58	18.64	18.80	18·99	19.17	19.30	19.28	19.19	19.02	18.90
42 0	18.74	18 54	18.59	18.66	18.81	19.00	19.18	19.30	19.28	19.17	18.99	18.78
47 0	18.78	18.52	18.58	18.66	18.82	19.01	19.20	19·30	19.26	19.13	18.98	18.70
52 0	18·72	18.52	18.57	18.67	18.81	19.02	19.21	19.30	19.26	19.11	18.95	18.69
57 0	18.65	18.52	18·58	18.69	18.82	19.04	19.21	19.31	19.22	19.10	18.93	18.67
Therm.	85°9	85°8	85°7	85°5	85°0	86°0	86°7	87°3	88°1	88°9	89°4	89°8

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
3 0	43.32	43.39	43.35	43.50	43.75	43.66	43.42	43.08	42.72	42.31	42.42	42.75
8 0	43.35	43.38	43.37	43.50	43.75	43.65	43·40	43.05	42.70	42.31	42.45	42.76
13 0	43.34	43.37	43.39	43.51	43.75	43.62	43.38	43.02	42.70	42.30	42.48	42.73
18 0	43·34	43.33	43.40	43.51	43.75	43.61	43.32	43.02	42.66	42.30	42.50	42·72
23 0	43.34	43.30	43.41	43.62	43.74	43.60	43·30	43.02	42.58	42.32	42·52	42.72
28 0	43.35	43·29	43.43	43.62	43·72	43.53	43.28	43.01	42.55	42·34	42.55	42.71
33 0	43.37	43.29	43.45	43.67	43.72	43.50	43.20	42.98	42.53	42.34	42.59	42.70
38 0	43.39	43.29	43.47	43.70	43.70	43.48	43.16	42.94	42.47	42.36	42.65	42.70
43 0	43.39	43.30	43.47	43.75	43·71	43.46	43.13	42.86	42.40	42.35	42·67	42.75
48 0	43.38	43.32	43.48	43.75	43.70	43.45	43.13	42.80	42.35	42.35	42.68	42.79
53 0	43.38	43.34	43.50	43.75	43.70	43.45	43.13	42.78	42.35	42.36	42.70	42.82
58 0	43.39	43.35	43.50	43.75	43.68	43.40	43.10	42.74	42.32	42.39	42.75	42.80
Therm.	87°0	87°0	86°8	86°8	86°3	86°8	87°0	87°6	88°2	88°6	89°2	89°5

TERM-DAY OBSERVATIONS, ON THE 25TH OF MAY 1860.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	22'374	23'130	23'816	24'570	23'884	22'923	22'649	22'718	22'854	22'991	23'198	23'198
5 0	21.444	23.198	23.953	24.639	23.816	22.854	22.649	22.787	22.854	22.991	23.198	23·130
10 0	22.444	23.404	24.021	24.707	23.677	23.923	22.718	22.787	22.854	22.991	23.267	23.267
15 0	22.512	23.473	24.159	24·776	23.609	22.923	22.787	22.718	22.923	22.923	23.267	23.335
20 0	22.444	23.473	24.226	24.776	23.540	23.923	22.787	22.718	22.923	22·854	23.267	23.130
25 0	22·444	23.746	24.295	24.707	23.473	23.787	22.718	22.718	22.923	22.787	23.335	23.060
30 0	22.581	23.816	24.295	24.639	23.473	22.718	22.787	22.718	22.923	22·787	23.267	22.991
35 0	22.649	23·677	24.295	24.707	23.267	22·718	22.649	22.718	22.923	22.854	23.404	23.060
40 0	22.718	23.677	24.432	24.639	23.267	22.649	22.649	22.718	22.854	22.923	23.335	23.198
45 0	22.787	23.746	24.502	24·502	23.198	23.649	22.581	22.787	22.854	22.923	23.540	23.198
50 0	22.991	23.816	24.639	24.432	23.060	22.649	22.581	22.787	22.923	23.060	23.335	23.130
55 0	23.130	23.746	24.639	24.363	22.923	23·649	22.649	22.718	22.991	23.060	23.267	23.335

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
2 0	18·62	18.35	18.11	17.70	18.05	18.21	18.26	18.34	18.49	18.52	18.55	18.63
7 0	18.58	18.33	18.07	17.69	18.08	18.21	18·27	18.35	18.49	18.55	18.57	18.65
12 0	18.57	18.30	18.02	17.71	18.17	18.23	18.24	18.35	18.50	18·58	18.56	18.66
17 0	18.53	18.28	18.00	17.75	18.20	18.22	18.27	18.38	18.50	18·60	18.56	18.64
22 0	18.53	18.25	17.98	17.75	18.13	18.24	18.30	18.40	18.51	18.59	18.55	18.64
27 0	18·49	18.22	17.95	17.79	18.14	18.25	18.30	18·42	18.52	18.59	18.61	18 68
32 0	18.45	18.21	17.95	17.85	18.14	18.25	18.30	18.44	18.52	18.59	18.63	18.70
37 0	18.43	18.19	17.95	17.84	18.19	18.23	18.30	18.45	18.52	18.60	18.64	18.72
42 0	18.44	18.20	17.92	17.86	18.18	18.25	18.30	18.45	18.52	18.59	18.64	18.68
47 0	18.42	18·20	17.85	17.91	18.18	18.24	18.30	18.46	18.52	18.58	18.64	18.66
52 0	18.38	18.17	17.75	17.95	18.21	18.26	18.30	18.49	18.51	18.55	18.62	18.63
57 0	18.36	18.14	17.71	18.03	18.22	18.25	18.32	18.50	18.50	18.53	18.63	18.64
Therm.	90°0	90°3	90°3	90°0	89°1	88°3	87°9	87°5	87°3	87°3	87°0	86°8

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
3 0	42.82	43.03	43.01	42.98	42·68	42.70	42.80	42.85	42.98	43.03	43.15	43.16
8 0	42.85	43.02	43.02	42.96	42.68	42.70	42.80	42·85	42.98	43.02	43.16	43.10
13 0	42.86	43.02	43.03	42.96	42.66	42.75	42.80	42.85	43.00	43.02	43.15	43.11
18 0	42.88	43.02	43.03	42.96	42.66	42.75	42.80	42·87	43.00	43.02	43.15	43.10
23 0	42.89	43.02	43.03	42.94	42.66	42.77	42.80	42.89	43.00	43.04	43.16	43.12
28 0	42.90	43·01	43.04	42.92	42.66	42.78	42.82	42.90	43.00	43.05	43.15	43.13
33 0	42.96	43.00	43.03	42.90	42.65	42.78	42.82	42.93	43.00	43.05	43.16	43.13
38 0	42.98	43 00	43.01	42.90	42.63	42.80	42.82	42.95	43.00	43.06	43.16	43·14
43 0	43.00	43.00	43.02	42.85	42.69	42.80	42.82	42.96	43.01	43.08	43.17	43.15
48 0	40·01	43.00	43.02	42.83	42.70	42.80	42.82	42.97	43.01	43.10	43.18	43.16
53 0	40.02	43.00	43.00	42.80	42.70	42.80	42.82	42.97	43.02	43.14	43.18	43.17
58 0	40.05	43.00	43.00	42.70	42.70	42.80	42.84	42.98	43.02	43.15	43.18	43.17
Therm.	90°1	90°3	90°8	91°0	90°5	90°0	89°5	89°1	88°7	88°4	88°3	88°0

TERM-DAY OBSERVATIONS, ON THE 20TH OF JUNE 1860.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	24'570	24'090	24'570	24'846	26'904	27'727	27'247	26'972	25'669	22'854	21'276	21'345
5 0	24.432	24.021	24.639	24.846	26.835	27.658	27.109	26.904	25.394	22.649	21.139	21.345
10 0	24.432	24.159	24.707	24.983	27.041	27.795	27.178	26.835	24.914	22.512	21.071	21.415
15 0	24.570	24.159	24.776	25.189	27.247	27.864	27.247	26.698	24.846	22.444	21.071	21.482
20 0	24.363	24.226	24.707	25.326	27.315	27.933	27.109	26.698	24.846	22.101	21.002	21.551
25 0	24.363	24.295	24.707	25.326	27.521	27.864	26.972	26.698	24.159	22.030	21.002	21.415
30 0	24.295	24.226	24.776	25.326	27.658	27.864	27.041	26.629	23.884	21.826	21.071	21.345
35 0	24.502	24.090	24.846	25.326	27.795	27.658	26.972	26.629	23.746	21.758	21.139	21.415
40 0	24.502	24.021	24.914	25.326	27.795	27.521	26.972	26.423	23.816	21.551	21.208	21.482
45 0	24.295	24.159	24.914	25.326	27.795	27.315	26.972	26.218	23.540	21.482	21.208	21.482
50 0	24.090	24.363	24.914	25.943	27.864	27.315	27.109	26.149	23.404	21.345	21.208	21.482
55 0	23.953	24.432	24.914	26.492	27.727	27.315	27.041	26.012	23.130	21.276	21.276	21.482

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
2 0	19.23	19.24	19.20	19.15	19.37	19.51	19.80	20.13	20.31	20.25	20.17	19.93
7 0	19.21	19.23	19.23	19.19	19.40	19.52	19.84	20.15	20.30	20.23	20.16	19.90
12 0	19.22	19.23	19.25	19.23	19.41	19.51	19.89	20.16	20.28	20.19	20.12	19.90
17 0	19.23	19.22	19.28	19.25	19.43	19.56	19.96	20.19	20.28	20.18	20.10	19.85
22 0	19.22	19.20	19.25	19.27	19.44	19.60	20.01	20.23	20.30	20.18	20.10	19.80
27 0	19.24	19.20	19.25	19.27	19.42	19.65	20.08	20.26	20.33	20.19	20.10	19.78
32 0	19.22	19.20	19.26	19.27	19.43	19.67	20.12	20.27	20.30	20.19	20.10	19.75
37 0	19.25	19.21	19.22	19.27	19.46	19.71	20.19	20.28	20.30	20.19	20.06	19.75
42 0	19.24	19.23	19.21	19.26	19.48	19.75	20.19	20.30	20.20	20.18	20.00	19.71
47 0	19.25	19.21	19.20	19.26	19.48	19.74	20.17	20.30	20.15	20.17	20.00	19.72
52 0	19.25	19.20	19.18	19.32	19.47	19.78	20.14	20.30	20.14	20.18	20.00	19.68
57 0	19.25	19.20	19.14	19.38	19.49	19.79	20.13	20.30	20.19	20.19	19.95	19.65
Therm.	82°6	82°9	82°9	82°8	82°5	82°6	83°0	83°8	84°5	84°8	85°0	85°3

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
3 0	41.45	41.46	41.54	41.72	41.95	41.90	41.90	41.89	41.73	41.65	41.55	41.60
8 0	41.45	41.46	41.56	41.72	41.98	41.90	41.92	41.88	41.70	41.65	41.56	41.60
13 0	41.45	41.47	41.59	41.72	41.98	41.90	41.90	41.87	41.67	41.65	41.55	41.60
18 0	41.45	41.47	41.61	41.72	42.00	41.89	41.90	41.85	41.62	41.65	41.57	41.60
23 0	41.45	41.47	41.61	41.78	42.00	41.89	41.89	41.83	41.61	41.62	41.58	41.60
28 0	41.45	41.47	41.64	41.80	41.97	41.89	41.90	41.83	41.60	41.61	41.59	41.63
33 0	41.44	41.49	41.64	41.85	41.94	41.88	41.90	41.81	41.59	41.60	41.59	41.63
38 0	41.44	41.48	41.64	41.90	41.92	41.88	41.90	41.80	41.59	41.60	41.60	41.62
43 0	41.44	41.50	41.66	41.91	41.90	41.88	41.91	41.78	41.58	41.59	41.60	41.61
48 0	41.45	41.51	41.69	41.91	41.90	41.89	41.93	41.78	41.56	41.57	41.62	41.60
53 0	41.45	41.52	41.70	41.92	41.90	41.89	41.92	41.76	41.55	41.55	41.60	41.62
58 0	41.45	41.54	41.72	41.94	41.90	41.90	41.90	41.74	41.62	41.55	41.60	41.62
Therm.	83°5	83°5	83°7	83°7	83°5	83°4	83°3	83°5	84°0	84°5	85°0	85°2

TERM-DAY OBSERVATIONS, ON THE 20TH OF JUNE 1860.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	21'482	22'649	24'432	25'532	26'149	24'502	24'776	23'884	23'953	23'677	24'159	23'884
5 0	21.551	22.854	24.570	25.600	25.943	24.502	24.914	23.884	23.953	23.677	24.159	23.884
10 0	21.619	23.060	24.639	25.669	25.806	24.432	24.776	23.953	23.953	23.677	24.159	23.953
15 0	21.619	23.267	24.846	25.875	25.806	24.363	24.570	23.953	24.021	23.609	24.226	23.953
20 0	21.619	23.473	24.983	26.080	25.737	24.226	24.363	24.021	24.090	23.609	24.226	24.021
25 0	21.688	23.609	25.051	25.875	25.737	24.226	24.090	24.021	24.090	23.953	24.226	24.090
30 0	21.826	23.816	25.051	25.943	25.532	24.295	24.021	23.953	24.021	24.021	24.226	24.159
35 0	21.963	23.884	25.120	26.080	25.120	24.295	23.953	24.021	24.021	24.090	24.226	24.363
40 0	22.168	23.953	25.051	26.149	24.846	24.363	23.953	23.953	23.884	24.159	24.226	24.432
45 0	22.237	24.226	25.326	26.149	24.707	24.363	24.021	24.021	23.884	24.159	24.226	24.363
50 0	22.305	24.295	25.326	26.149	24.707	24.502	24.021	23.953	23.677	24.159	24.226	24.295
55 0	22.512	24.363	25.394	26.218	24.502	24.639	23.953	23.953	23.677	24.159	24.021	24.159

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
2 0	19.63	19.31	19.06	18.88	18.62	18.59	18.44	18.80	18.88	18.95	18.80	18.90
7 0	19.59	19.28	19.06	18.86	18.58	18.60	18.39	18.78	18.88	18.95	18.83	18.92
12 0	19.59	19.25	19.06	18.84	18.58	18.60	18.41	18.79	18.88	18.97	18.84	18.94
17 0	19.58	19.23	19.02	18.81	18.58	18.60	18.44	18.81	18.88	18.97	18.85	18.95
22 0	19.55	19.20	18.98	18.79	18.57	18.58	18.48	18.80	18.90	18.97	18.86	18.93
27 0	19.53	19.20	18.98	18.79	18.58	18.57	18.50	18.80	18.91	18.92	18.86	18.92
32 0	19.50	19.17	19.00	18.79	18.59	18.56	18.55	18.81	18.92	18.85	18.87	18.92
37 0	19.47	19.14	19.00	18.77	18.59	18.56	18.62	18.83	18.92	18.80	18.86	18.94
42 0	19.46	19.12	19.00	18.75	18.60	18.52	18.66	18.85	18.92	18.80	18.85	18.96
47 0	19.43	19.09	18.94	18.75	18.60	18.48	18.70	18.87	18.92	18.81	18.85	18.99
52 0	19.41	19.09	18.92	18.70	18.60	18.44	18.73	18.86	18.94	18.81	18.85	19.03
57 0	19.36	19.08	18.92	18.63	18.60	18.44	18.77	18.88	18.97	18.81	18.87	19.02
Therm.	85°3	85°0	85°0	84°5	84°3	84°1	84°1	84°0	84°2	84°1	84°0	83°2

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
3 0	41.64	41.78	41.92	41.90	41.83	41.72	41.85	41.79	41.86	41.90	41.90	41.95
8 0	41.65	41.80	41.90	41.90	41.80	41.72	41.85	41.81	41.86	41.90	41.93	41.95
13 0	41.65	41.84	41.90	41.90	41.80	41.71	41.80	41.82	41.86	41.90	41.94	41.95
18 0	41.65	41.84	41.90	41.89	41.80	41.72	41.80	41.84	41.86	41.90	41.93	41.95
23 0	41.66	41.86	41.90	41.88	41.80	41.74	41.80	41.85	41.88	41.90	41.92	41.96
28 0	41.67	41.88	41.90	41.88	41.80	41.76	41.80	41.84	41.89	41.90	41.92	41.98
33 0	41.69	41.87	41.90	41.88	41.76	41.78	41.80	41.85	41.90	41.90	41.93	41.98
38 0	41.72	41.87	41.90	41.87	41.72	41.78	41.80	41.85	41.90	41.90	41.94	41.98
43 0	41.74	41.89	41.90	41.86	41.70	41.78	41.80	41.85	41.90	41.90	41.95	41.98
48 0	41.75	41.89	41.90	41.86	41.71	41.80	41.80	41.85	41.90	41.90	41.95	41.98
53 0	41.76	41.90	41.90	41.85	41.71	41.80	41.80	41.85	41.88	41.90	41.95	41.98
58 0	41.77	41.91	41.90	41.84	41.72	41.84	41.80	41.85	41.90	41.90	41.95	41.99
Therm.	85°3	85°5	85°4	85°3	85°0	84°8	84°7	84°8	84°9	84°7	84°7	84°0

TERM-DAY OBSERVATIONS, ON THE 18TH OF JULY 1860.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	24'090	24'776	24'363	25'394	26'423	27'727	27'590	26'012	25'326	23'540	22'718	21'415
5 0	24.226	24.639	24.570	25.394	27.109	27.590	27.247	25.943	25.120	23.473	22·718	21.345
10 0	24.295	24.639	24.502	25.463	27.041	27.590	26.972	25·600	25.051	23.473	22.718	21.208
15 0	24.363	24.707	24.570	25.463	26.904	27.590	26.698	25.463	24.983	23.404	22·649	21.071
20 0	24.363	24.983	24.707	25.532	26.629	27.590	26.698	25.463	24.914	23.335	22.581	20·453
25 0	24.570	24.639	24.846	25.463	26.904	27.590	26.766	25·394	24.846	23.267	22·305	20.728
30 0	24.846	24.502	25.051	25.394	26.629	27.590	26 835	25·257	24.776	23.198	22.305	21.208
35 0	24.846	24·502	25.189	25.463	26.904	27.590	26.904	25.394	24.570	23.060	22.168	21.071
40 0	24.983	24.707	25.326	25.463	27.041	27·590	26.835	25.463	24.363	22.991	22.101	21.071
45 0	25.051	24.983	25.394	25.463	27.247	27.590	26.766	25.189	24.159	22.854	22.101	21.071
50 0	25.051	24.639	25.532	25.737	27.452	27·658	26.629	25.189	24.021	22.854	21.758	21.071
55 0	24.983	24.639	25.463	26.149	27.590	27.590	26.286	25.394	23.816	22.787	21.415	21.071

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
2 0	19.39	19.65	19.50	19.78	19.95	19.95	19.75	20.10	20.35	20.38	20.25	20.18
7 0	19.30	19·66	19.46	19.79	20.00	19.90	19.70	20.14	20·37	20·37	20.27	20.11
12 0	19.30	19.65	19.53	19.82	19.98	19.86	19.75	20.16	20·40	20.34	20.27	20.06
17 0	19.31	19.60	19.55	19.85	19.96	19.85	19.82	20.18	20·42	20.32	20.28	20.00
22 0	19.30	19.55	19.53	19.84	20.00	19.85	19.88	20.24	20.43	20.30	20.28	20.20
27 0	19.36	19.55	19·52	19.86	20.05	19.82	19.95	20.29	20·41	20.33	20.31	20.10
32 0	19.42	19.56	19.56	19.87	20.00	19.80	19.95	20.32	20.39	20.32	20.26	20.02
37 0	19.43	19.55	19.59	19·89	19.98	19.75	19.96	20.34	20.38	20.32	20.20	19.90
42 0	19.50	19.57	19.61	19·90	19·95	19.70	20.04	20.37	20.36	20.31	20.19	19.88
47 0	19·58	19·58	19.64	19.92	19.93	19.68	20.12	20.37	20.35	20.30	20.19	19.85
52 0	19.64	19.55	19.66	19·95	19.90	19.68	20.15	20.38	20.36	20·28	20.22	19.82
57 0	19.65	19.55	19.71	19.94	19.92	19.74	20.13	20.35	20·37	20.25	20.20	19.75
Therm.	82°5	81°6	80°9	80°9	80°5	80°2	80°4	81°3	82°0	82°9	83°0	82°2

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
3 0	42.20	42.25	42.22	42.24	42.28	42.25	42.21	42.25	42.25	42.18	42.20	42.20
8 0	42.16	42.25	42.23	42.24	42.24	42.25	42.23	42·25	42.23	42.20	42.20	42.20
13 0	42.18	42.25	42.22	42.23	42.26	42.25	42.23	42.24	42.22	42.20	42.20	42.20
18 0	42.20	42.24	42·21	42.24	42.28	42.24	42·22	42.23	42.21	42.20	42.20	42.20
23 0	42.22	42.24	42·21	42.24	42.26	42.24	42.24	42.24	42.21	42.21	42.20	42.20
28 0	42.23	42.23	42·23	42.25	42.26	42.24	42.25	42.24	42.20	42.20	42.20	42·20
33 0	42.23	42.22	42.25	42.25	42.26	42·24	42.25	42.24	42.20	42·20	42·20	42.20
38 0	42.22	42.22	42.25	42.26	42.26	42.24	42.25	42.25	42.20	42.20	42.20	42.20
43 0	42.24	42.22	42.26	42.27	42.26	42.24	42.25	42.25	42.20	42.20	42.20	42.20
48 0	42.24	42.22	42.26	42.27	42.26	42.24	42.25	42.25	42.20	42.20	42.20	42.20
53 0	42.25	42.23	42.26	42.29	42.26	42.22	42.25	42.25	42.20	42.20	42.20	42.22
58 0	42.25	42.22	42.24	42.28	42.25	42.22	42.24	42.25	42.18	42.20	42.20	42.23
Therm.	83°0	82°6	82°1	82°0	81°7	81°4	81°0	81°3	81°9	82°7	83°0	82°6

TERM-DAY OBSERVATIONS, ON THE 18TH OF JULY 1860.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	21'208	24'159	25'120	25'532	24'707	23'267	23'130	23'198	23'473	23'677	24'090	24'502
5 0	21.276	24.502	25.189	25.463	24.707	23.267	23.130	23.198	23.540	23.677	24.090	24.432
10 0	21.758	24.090	25.257	25.463	24.159	23.130	23.198	23.130	23.609	23.746	24.090	24.295
15 0	22.101	24.295	25.257	25.463	24.090	23.130	23.198	22.923	23.609	23.677	24.159	24.295
20 0	22.168	23.884	25.189	25.532	24.090	23.060	23.130	22.854	23.677	23.746	24.226	24.295
25 0	22.305	24.021	25.189	25.394	23.816	23.060	23.130	22.854	23.609	23.816	24.295	24.363
30 0	22.444	24.570	25.257	25.326	23.473	22.991	23.130	22.923	23.677	23.953	24.363	24.502
35 0	22.305	24.432	25.257	25.189	23.609	22.854	23.130	22.991	23.609	24.021	24.295	24.570
40 0	22.305	24.570	25.189	25.120	23.677	23.060	23.130	22.991	23.609	24.021	24.295	24.639
45 0	22.444	25.120	25.257	25.051	23.404	23.060	23.198	23.130	23.609	24.090	24.363	24.639
50 0	22.718	25.189	25.394	24.983	23.404	23.130	23.198	23.198	23.609	24.021	24.363	24.639
55 0	23.130	25.257	25.463	24.846	23.473	23.130	23.198	23.404	23.677	24.090	24.363	24.639

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
2 0	19.67	18.76	19.05	19.05	19.28	19.22	19.40	19.60	19.75	19.90	19.59	19.55
7 0	19.63	18.80	19.07	19.07	19.28	19.22	19.35	19.72	19.75	19.89	19.56	19.62
12 0	19.59	18.86	19.06	19.09	19.34	19.21	19.38	19.84	19.76	19.90	19.53	19.72
17 0	19.54	18.92	19.05	19.11	19.40	19.22	19.39	19.92	19.78	19.92	19.52	19.73
22 0	19.50	19.10	19.04	19.12	19.44	19.23	19.40	19.95	19.78	19.91	19.51	19.74
27 0	19.42	19.26	19.05	19.15	19.46	19.23	19.40	19.98	19.80	19.89	19.51	19.68
32 0	19.38	19.31	19.05	19.17	19.49	19.29	19.42	19.92	19.79	19.88	19.51	19.61
37 0	19.33	19.20	19.06	19.21	19.49	19.32	19.44	19.86	19.82	19.86	19.52	19.58
42 0	19.28	19.16	19.08	19.24	19.48	19.35	19.45	19.81	19.86	19.81	19.52	19.55
47 0	19.27	19.06	19.08	19.25	19.44	19.37	19.43	19.78	19.85	19.73	19.54	19.60
52 0	19.20	19.09	19.07	19.26	19.36	19.37	19.44	19.76	19.86	19.69	19.55	19.60
57 0	19.08	19.06	19.05	19.28	19.30	19.37	19.50	19.75	19.88	19.63	19.55	19.64
Therm.	82°0	80°9	81°6	81°5	81°0	81°0	80°7	80°5	80°4	80°7	80°8	80°6

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
3 0	42.23	42.27	42.30	42.28	42.27	42.26	42.30	42.28	42.39	42.38	42.40	42.40
8 0	42.22	42.28	42.30	42.27	42.27	42.26	42.28	42.28	42.36	42.38	42.40	42.40
13 0	42.23	42.26	42.30	42.27	42.27	42.26	42.28	42.28	42.37	42.38	42.40	42.40
18 0	42.23	42.28	42.30	42.28	42.29	42.27	42.28	42.28	42.36	42.38	42.40	42.40
23 0	42.24	42.28	42.30	42.28	42.30	42.27	42.28	42.28	42.36	42.39	42.40	42.40
28 0	42.25	42.28	42.30	42.27	42.28	42.27	42.28	42.28	42.37	42.39	42.40	42.40
33 0	42.25	42.29	42.29	42.27	42.27	42.27	42.28	42.30	42.36	42.38	42.40	42.40
38 0	42.25	42.29	42.29	42.27	42.27	42.27	42.28	42.32	42.38	42.39	42.40	42.40
43 0	42.25	42.30	42.28	42.26	42.27	42.27	42.27	42.34	42.38	42.39	42.40	42.40
48 0	42.25	42.30	42.28	42.26	42.27	42.28	42.27	42.35	42.37	42.39	42.40	42.40
53 0	42.25	42.30	42.28	42.26	42.27	42.27	42.28	42.35	42.37	42.40	42.40	42.40
58 0	42.26	42.30	42.28	42.27	42.26	42.30	42.28	42.38	42.38	42.40	42.40	42.40
Therm.	82°5	81°6	82°0	82°0	81°8	81°8	81°5	81°3	81°3	81°1	81°1	81°0

TERM-DAY OBSERVATIONS, ON THE 24TH OF AUGUST 1860.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	24'846	24'914	24'846	25'257	26'561	28'138	27'178	25'875	23'746	22'101	20'796	21'208
5 0	24.846	24.914	24.914	25.600	26.972	28.138	27.109	25.806	23.540	21.895	20.865	21.276
10 0	24.846	25.051	24.983	25.943	27.109	28.207	27.041	25.532	23.335	21.758	20.865	21.345
15 0	24.846	25.257	24.914	26.012	27.315	28.207	26.904	25.257	23.130	21.415	20.865	21.482
20 0	24.846	25.257	24.846	26.149	27.521	28.207	26.766	25.051	23.060	21.345	20.865	21.551
25 0	24.846	25.189	24.846	25.943	27.658	28.138	26.766	24.846	22.923	21.345	20.796	21.551
30 0	24.707	25.120	24.914	25.806	27.795	28.001	26.629	24.776	22.787	21.276	20.728	21.551
35 0	24.570	25.051	24.914	25.806	27.795	27.933	26.629	24.639	22.649	21.139	20.796	21.688
40 0	24.570	24.983	24.914	25.532	27.933	27.795	26.423	24.432	22.444	21.071	20.933	21.758
45 0	24.707	24.914	24.983	25.875	28.001	27.590	26.355	24.226	22.374	20.933	21.002	21.963
50 0	24.846	24.846	24.983	26.149	28.138	27.521	26.218	24.159	22.168	20.865	21.071	22.101
55 0	24.846	24.846	25.051	26.286	28.070	27.384	26.080	24.159	22.101	20.796	21.139	22.168

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
2 0	18·82	18.85	19.00	18.94	19.02	19·06	19.34	19.60	19.70	19.69	19.55	19.42
7 0	18.82	18.85	19.01	18.95	19.02	19.06	19.35	19.62	19.71	19.69	19.55	19.39
12 0	18.76	18.88	19.00	18.96	19.01	19.05	19.46	19.66	19.71	19.71	19.54	19.35
17 0	18.70	18.90	19.00	19.00	19.02	19.07	19.53	19.66	19.70	19.75	19.54	19.35
22 0	18.73	18.90	19.03	19.02	19.04	19.08	19.56	19.66	19.70	19.75	19.53	19.34
27 0	18.76	18.88	19.07	19.04	19.05	19.11	19.57	19.66	19.71	19.71	19.54	19.34
32 0	18.76	18.89	19.10	19.07	19.08	19.14	19.57	19.68	19.71	19.70	19.54	19.31
37 0	18.78	18.90	19.12	19.09	19.07	19.19	19.54	19.68	19.72	19.70	19.52	19.28
42 0	18.78	18.91	19.10	19.05	19.05	19.26	19.58	19.69	19.72	19·62	19.49	19.25
47 0	18.78	18.92	19.08	19.02	19.06	19.30	19.58	19.70	19.73	19.61	19.48	19.24
52 0	18.78	18.92	19.04	19.01	19.06	19.31	19.58	19.70	19.71	19.64	19.46	19.22
57 0	18.82	18.95	18.98	19.02	19.07	19.33	19.60	19.70	19.70	19.56	19.45	19.20
Therm.	82°4	82°0	82°0	81°9	81°9	82°0	82°8	83°4	84°4	85°1	85°6	86°0

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
3 0	41.88	41.90	41.90	41.88	41.90	41.92	41.95	41.90	41.90	41.90	41.90	41.85
8 0	41.88	41.90	41.88	41.90	41.92	41.92	41.95	41.90	41.90	41.90	41.89	41.85
13 0	41.90	41.90	41.88	41.92	41.91	41.93	41.95	41.90	41.90	41.90	41.89	41.85
18 0	41.90	41.90	41.88	41.92	41·90	41.93	41.93	41.90	41.90	41.90	41.89	41.85
23 0	41.90	41.90	41·88	41.92	41.92	41.92	41.93	41.90	41.89	41.90	41.88	41.85
28 0	41.90	41.90	41.88	41.94	41.91	41.94	41.92	41.90	41.90	41.90	41.88	41.85
33 0	41.90	41.90	41.88	41.95	41.91	41.95	41.92	41.90	41.90	41.90	41.88	41.85
38 0	41.90	41.90	41.88	41.96	41.93	41.97	41.93	41.90	41.90	41.90	41.88	41.85
43 0	41.90	41.90	41.88	41.95	41.94	41.97	41.92	41.90	41.90	41.90	41.87	41.85
48 0	41.90	41.90	41.87	41.92	41.94	41.97	41.90	41.90	41.92	41.90	41.87	41.85
53 0	41.90	41.90	41.87	41.90	41.93	41.97	41.90	41.90	41.92	41.90	41.86	41.85
58 0	41.90	41.90	41·88	41.92	41.92	41.95	41.90	41.90	41.90	41·90	41.85	41.85
Therm.	83°0	83°0	82°9	82°8	82°8	82°6	87°0	83°3	84°0	84°5	85°1	85°8

TERM-DAY OBSERVATIONS, ON THE 24TH OF AUGUST 1860.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	22'237	23'473	24'502	24'983	24'432	23'816	23'746	23'609	23'540	23'677	24'226	24'502
5 0	22.305	23.609	24.570	24.983	24.432	23.816	23.746	23.609	23.540	23.677	24.226	24.502
10 0	22.444	23.816	24.639	24.846	24.363	23.746	23.746	23.609	23.540	23.677	24.159	24.502
15 0	22.581	23.816	24.639	24.846	24.226	23.746	23.677	23.609	23.609	23.746	24.159	24.502
20 0	22.649	23.953	24.707	24.983	24.090	23.816	23.677	23.677	23.609	23.746	24.226	24.432
25 0	22.649	24.021	24.914	24.983	24.090	23.884	23.609	23.677	23.540	23.746	24.226	24.432
30 0	22.718	24.090	25.120	24.983	24.021	23.816	23.540	23.677	23.540	23.816	24.226	24.432
35 0	22.991	24.090	25.257	24.983	24.021	23.746	23.540	23.677	23.540	23.953	24.295	24.363
40 0	23.130	24.226	25.326	24.776	23.953	23.677	23.540	23.677	23.540	23.953	24.295	24.432
45 0	23.267	24.295	25.120	24.707	23.953	23.677	23.609	23.677	23.609	24.021	24.363	24.432
50 0	23.335	24.432	24.983	24.502	23.953	23.609	23.609	23.677	23.609	24.093	24.432	24.432
55 0	23.473	24.639	24.846	24.570	23.884	23.677	23.609	23.677	23.609	24.093	24.432	24.502

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
2 0	19·17	18.95	18.85	18.88	18.88	18.84	18.80	18.90	18.91	18.91	18.96	19.03
7 0	19.14	18.94	18.81	18.89	18.89	18.84	18·80	18.90	18.85	18.93	19.00	19.04
12 0	19.11	18.95	18.80	18.91	18.90	18.83	18.80	18.90	18.86	18.94	19.02	19.05
17 0	19.10	18.95	18.80	18.93	18.90	18.84	18.81	18.90	18.86	18·93	19.03	19.04
22 0	19.10	18.94	18.78	18.90	18.91	18.84	18.81	18.90	18.87	18.95	19.05	19.06
27 0	19.09	18.92	18.80	18.87	18.91	18.83	18.83	18·89	18.86	18.96	19.02	19 06
32 0	19·05	18.90	18.82	18.88	18.90	18.82	18.82	18.89	18.92	18.96	19.04	19.04
37 0	19.00	18.89	18.84	18.89	18.90	18.81	18.84	18.86	18.90	18.95	190.6	19.06
42 0	18.98	18.88	18.84	18.88	18.88	18.81	18.86	18.84	18.90	18.95	19.05	19.07
47 0	18.97	18·88	18.85	18.88	18.86	18.80	18.90	18.80	18.90	18.95	19.04	19.09
52 0	18.96	18.88	18.85	18.90	18.86	18.80	18.90	18.88	18.88	18.96	19.03	19.09
57 0	18.95	18.88	18.88	18.89	18.85	18.80	18.90	18.90	18.88	18.98	19.03	19.10
Therm.	86°4	86°5	86°5	86°1	85°3	84°9	84°5	84°0	83°9	83°9	83°6	83°4

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
3 0	41.85	41.84	41.80	41.75	41·71	41.73	41.73	41.76	41.80	41.76	41.78	41.74
8 0	41.85	41.82	41.80	41.75	41.70	41.74	41.73	41·76	41.76	41.76	41.75	41.74
13 0	41.85	41.80	41.80	41.76	41.71	41.75	41.73	41.75	41.76	41.76	41.74	41.74
18 0	41.86	41.80	41.80	41.76	41.71	41.75	41.73	41·76	41.76	41.75	41.75	41.74
23 0	41.85	41.80	41.80	41.75	41.72	41.75	41.73	41.78	41.78	41.75	41.74	41.74
28 0	41.84	41·80	41.78	41.75	41.72	41.74	41.73	41.79	41.76	41.76	41.74	41.75
33 0	41·84	41.80	41.78	41.75	41.71	41.75	41.73	41.79	41.76	41.76	41.75	41.75
38 0	41.83	41 80	41.78	41.75	41.70	41.75	41.74	41.79	41.75	41.75	41.75	41·74
43 0	41.82	41.80	41.78	41.75	41.71	41.74	41.74	41.79	41.75	41.75	41.75	41.74
48 0	41·82	41.80	41.78	41.75	41.73	41.73	41.75	41.79	41.75	41.75	41.75	41.74
53 0	41.82	41.80	41.78	41.75	41.72	41.73	41.75	41.79	41.75	41.77	41.75	41.75
58 0	41.84	41.80	41.76	41.73	41.72	41.74	41.75	41.80	41.76	41.78	41.75	41.75
Therm.	86°2	86°6	87°0	87°1	86°6	86°2	85°9	85°0	85°0	85°0	84°7	84°7

TERM-DAY OBSERVATIONS, ON THE 19TH OF SEPTEMBER 1860.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	24′570	25′394	24′914	25′051	25′463	26′218	26′149	25′051	23′746	22′512	21′276	21′824
5 0	24.502	25.463	24.846	25.051	25.737	26.218	26.149	24.983	23.609	22.512	21.482	21.824
10 0	24.502	25.463	24.914	25.120	25·806	26.149	26·080	24.776	23.404	22.512	21.688	21.963
15 0	24.502	25.394	24.983	25.120	25.806	26.149	26.012	24.570	23.540	22.374	21.826	21·963
20 0	24·502	25.532	24.983	25.189	25.806	26.149	25.943	24.570	23·540	22.305	21.826	22.101
25 0	24.570	25.532	24·983	25.189	25.943	26.149	25.875	24.502	23.473	22.168	21.826	22.512
30 0	24.639	25.463	24.983	25.189	26.012	26.080	25.806	24.502	23.198	22.101	21.895	22.649
35 0	24.776	25.463	24.983	25.189	26.012	26.080	25.669	24.432	23.130	21.963	21.895	23.060
40 0	24.914	25.394	25.051	25.120	26.012	26.080	25.502	24.363	22.854	21.619	21.895	23·267
45 0	25.051	25.394	25·051	25.120	26.012	26.149	25.394	24.226	22·787	21.551	21.963	23·267
50 0	25.189	25.120	25.051	25.257	260.80	26.218	25.326	24.090	22.787	21.482	21.688	23.267
55 0	25·257	25.051	25.051	25.326	26.080	26.218	25.257	23.884	22.649	21.415	21.895	23.130

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
2 0	19.51	19.05	19.00	18.97	19.05	18.83	19.03	19.38	19.52	19.45	19.35	19.22
7 0	19.55	19.02	18.97	18·97	19.02	18.88	19·04	19.38	19·50	19.40	19.29	19.21
12 0	19.50	19.01	18.96	18.96	19.03	18.95	19.04	19.40	19.49	19.35	19.26	19.23
17 0	19.44	19.00	18.98	18.96	19.03	18.98	19.05	19.41	19.45	19.34	19.25	19·18
22 0	19.39	18.99	18.96	18.95	19.04	19.01	19.09	19.40	19.44	19.33	19.24	19·13
27 0	19·30	18.98	18.95	18.95	19.02	19.02	19·16	19.39	19.45	19.30	19.25	19.11
32 0	19.23	18·98	18.95	18.95	18.98	19.04	19.23	19.38	19.46	19.28	19·25	19.07
37 0	19.18	18.98	18.96	18.95	18.96	19.06	19.26	19.40	19·46	19.26	19.25	19.06
42 0	19.15	18.99	18.96	18.95	18.96	19.04	19.28	19.43	19.45	19.30	19.24	19.05
47 0	19.13	19.00	18.97	18.95	18.97	19.05	19.32	19.42	19.45	19·35	19.24	19.04
52 0	19.10	19.00	18.97	19.02	18.92	19.06	19.36	19.43	19.45	19.35	19.26	19.03
57 0	19.07	19.00	18.97	19.06	18.87	19.07	19.38	19·47	19.45	19.35	19.25	19.00
Therm.	83°0	83°0	83°0	82°9	82°5	82°6	82°9	83°8	84°6	85°0	85°5	86°2

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
3 0	41.82	41.81	41.82	41.80	41.80	41.80	41.82	41.83	41.82	41.80	41.80	41.80
8 0	41.82	41.81	41.82	41.80	41.80	41.80	41.82	41.83	41.82	41.80	41.80	41.80
13 0	41·83	41.81	41.82	41·80	41.80	41.80	41.82	41.83	41.80	41.80	41.78	41.80
18 0	41.83	41.81	41.80	41·80	41.80	41.80	41.82	41.83	41.81	41.80	41.78	41.80
23 0	41·82	41.82	41·80	41.80	41.81	41.80	41.82	41.83	41.81	41.80	41.78	41.80
28 0	41.82	41.82	41.80	41.80	41.81	41.80	41.82	41.83	41.80	41.80	41.78	41.80
33 0	41.82	41.82	41.80	41.80	41.80	41·80	41.83	41.83	41.80	41.80	41.80	41.80
38 0	41.82	41.81	41.80	41.80	41.80	41.80	41.83	41.83	41.80	41.80	41.80	41.80
43 0	41.82	41.81	41.80	41.80	41.80	41.80	41.84	41.83	41.80	41.80	41.80	41.80
48 0	41.82	41.81	41.80	41.80	41.80	41.80	41.84	41.83	41.80	41.80	41.81	41.80
53 0	41.82	41.82	41.80	41.80	41.81	41.81	41.84	41.83	41.80	41.80	41.80	41.80
58 0	41.81	41.82	41.80	41.80	41.81	41.82	41.83	41.82	41·80	41.80	41.80	41.80
Therm.	83°8	83°8	83°7	83°0	83°0	83°3	83°5	83°9	84°5	84°9	85°0	85°8

TERM-DAY OBSERVATIONS, ON THE 19TH OF SEPTEMBER 1860.

LARGE DECLINATION MAGNETOMETER *(in Arc)*.

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	23'130	23'953	24'570	24'846	24'226	24'846	24'776	24'295	24'639	24'502	24'502	24'914
5 0	23·130	23.953	24.570	24.776	24.363	24.983	24.776	24.295	24.639	24.432	24.639	24.914
10 0	23.130	24.021	24.502	24.776	24.432	24.983	24.707	24.363	24.639	24.432	24.532	24.914
15 0	23.130	24.226	24.502	24.776	24.432	25.120	24.707	24.432	24.639	24.363	24.639	24.914
20 0	23.130	24.295	24.639	24.707	24.639	25.051	24.707	24.570	24.639	24.363	24.707	24.914
25 0	23.198	24.363	24.776	24.914	24.570	24.983	24.707	24.570	24.639	24.432	24.707	24.914
30 0	23.267	24.570	24.846	24.983	24.570	24.983	24.707	24.639	24.639	24.502	24.707	24.914
35 0	23.404	24.707	24.846	24.846	24.639	24.983	24.639	24.707	24.570	24.502	24.707	24.846
40 0	23.473	24.846	24.846	24.707	24.639	25.120	24.639	24.707	24.432	24.432	24.707	24.846
45 0	23.609	24.846	24.846	24.707	24.707	25.187	24.502	24.707	24.363	24.432	24.846	24.846
50 0	23.609	24.914	24.846	24.502	24.707	24.983	24.570	24.776	24.295	24.432	24.914	24.846
55 0	23.746	24.846	24.846	24.432	24.707	24.846	24.363	24.776	24.363	24.502	24.914	24.846

LARGE HORIZONTAL FORCE MAGNETOMETER *(in Scale Readings)*.

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
2 0	18.99	18.54	18.57	18.12	18.33	18.15	17.94	18.15	18.17	18.65	18.70	18.66
7 0	18.96	18.52	18.55	18.15	18.32	18.12	17.92	18.13	18.17	18.70	18.67	18.66
12 0	18.95	18.50	18.53	18.13	18.31	18.08	17.90	18.11	18.17	18.76	18.66	18.65
17 0	18.95	18.42	18.51	18.15	18.30	18.02	17.89	18.09	18.17	18.82	18.65	18.65
22 0	18.95	18.42	18.46	18.16	18.31	17.95	17.89	18.10	18.23	18.90	18.66	18.65
27 0	18.91	18.41	18.44	18.24	18.33	17.96	17.93	18.12	18.27	18.88	18.66	18.66
32 0	18.86	18.40	18.40	18.25	18.33	17.97	17.99	18.14	18.30	18.86	18.66	18.66
37 0	18.78	18.47	18.32	18.28	18.34	17.96	18.03	18.14	18.38	18.84	18 65	18.68
42 0	18.70	18.48	18.26	18.28	18.29	17.96	18.08	18.15	18.44	18.80	18.65	18.73
47 0	18.69	18.50	18.20	18.29	18.25	17.95	18.14	18.15	18.51	18.78	18.65	18.75
52 0	18.65	18.51	18.18	18.29	18.25	17.95	18.17	18.16	18.60	18.78	18.65	18.77
57 0	18.59	18.54	18.10	18.33	18.20	17.95	18.19	18.17	18.63	18.74	18.65	18.78
Therm.	86°6	86°8	86°6	86°2	85°5	85°1	84°6	84°4	84°1	83°9	83°6	83°5

VERTICAL FORCE MAGNETOMETER *(in Scale Readings)*.

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
3 0	41.80	41.80	41.80	41.74	41.70	41.72	41.70	41.70	41.73	41.70	41.72	41.73
8 0	41.80	41.80	41.80	41.73	41.71	41.72	41.71	41.70	41.72	41.71	41.72	41.74
13 0	41.80	41.80	41.80	41.72	41.72	41.72	41.71	41.71	41.72	41.72	41.72	41.74
18 0	41.80	41.80	41.80	41.71	41.72	41.72	41.71	41.71	41.71	41.73	41.72	41.74
23 0	41.78	41.80	41.78	41.71	41.72	41.72	41.70	41.71	41.73	41.73	41.72	41.74
28 0	41.79	41.80	41.77	41.71	41.72	41.72	41.70	41.71	41.75	41.73	41.72	41.73
33 0	41.79	41.80	41.77	41.71	41.72	41.72	41.70	41.70	41.74	41.73	41.72	41.73
38 0	41.80	41.79	41.76	41.71	41.72	41.72	41.70	41.71	41.73	41.73	41.72	41.72
43 0	41.80	41.79	41.75	41.70	41.72	41.72	41.70	41.72	41.72	41.72	41.72	41.72
48 0	41.79	41.79	41.74	41.70	41.72	41.72	41.70	41.72	41.72	41.71	41.72	41.72
53 0	41.79	41.80	41.74	41.70	41.72	41.74	41.70	41.72	41.72	41.71	41.72	41.72
58 0	41.80	41.80	41.74	41.70	41.42	41.72	41.70	41.73	41.70	41.72	41.73	41.72
Therm.	86°4	87°0	87°3	87°4	86°5	86°1	85°6	85°5	85°1	84°8	84°5	84°3

TERM-DAY OBSERVATIONS, ON THE 24TH OF OCTOBER 1860.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	23'884	24'159	23'816	23'404	23'746	24'502	25'875	25'806	24'914	24'363	24'432	24'295
5 0	23.953	24.159	23.746	23·473	23.677	24.639	25.875	25·669	24.846	24.295	24.432	24.295
10 0	23.953	24.226	23.746	23.473	23.677	24.707	25.875	25.600	24·846	24.295	24.295	24.295
15 0	23.884	24.226	23.746	23.404	23.816	24.846	25.943	25.463	24.776	24.226	24.226	24.295
20 0	23.884	24.226	23·746	23.473	23.816	24.914	25.943	25.532	24.639	24.159	24.159	24·159
25 0	23.953	24.159	23.677	23.473	23.746	25.120	25.875	25.463	24.570	24.159	24.159	24.159
30 0	23.953	24.090	23.677	23.540	23.746	25.326	25.943	25.394	24·570	24.159	24.159	24.021
35 0	23.953	24.090	23.609	23.540	23.884	25.532	26.012	25.394	24.502	24.226	24.295	24.021
40 0	23.884	24.021	23.609	23.609	24.021	25.532	26.012	25.189	24.502	24.226	24.295	23.953
45 0	23.953	23.953	23.540	23.609	24.090	25.600	25.943	24·914	24.502	24.295	24.295	23.953
50 0	24.021	23·884	23.540	23.677	24.159	25.737	25.875	24.983	24.432	24.295	24.295	23.953
55 0	24.021	23.816	23.540	23.746	24.226	25.806	25.875	24.983	24·432	23.363	24.295	23.953

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
2 0	19.37	19.30	19.41	19.37	19.58	19.60	19.84	20.14	20.20	20.18	20.15	19.60
7 0	19.35	19.30	19.42	19.39	19.58	19·63	19.90	20.19	20.21	20.16	20·08	19.60
12 0	19.36	19·31	19.43	19.44	19·58	19.68	19.90	20.19	20.22	20.16	20.00	19·55
17 0	19.36	19.31	19.41	19.47	19.58	19.70	19.92	20.16	20.24	20.15	19.92	19.50
22 0	19.37	19.32	19.41	19.50	19.56	19.72	19·93	20.11	20·26	20·14	19.85	19.48
27 0	19.36	19.32	19.41	19.54	19.54	19.75	19·93	20.11	20.27	20.13	19.78	19.45
32 0	19.34	19.32	19.42	19.54	19.52	19.78	19.96	20.13	20.26	20.09	19.76	19.40
37 0	19.33	19·31	19.44	19.56	19.54	19·80	19.99	20.15	20.25	20.03	19.75	19.35
42 0	19.34	19.32	19.43	19.57	19.55	19.80	20.01	20.19	20.22	19.96	19.72	19.34
47 0	19·33	19.34	19.40	19.58	19.55	19.80	20.03	20·20	20.21	19.94	19.70	19.33
52 0	19.32	19.36	19.36	19.58	19.58	19.81	20.06	20.20	20.19	19.96	19.67	19.32
57 0	19.31	19.39	19·36	19.58	19.60	19.82	20.09	20.20	20.19	20.05	19.65	19.29
Therm.	85°8	85°6	85°4	85°2	85°0	85°0	85°5	87°1	88°0	89°0	89°8	89°4

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
3 0	26.00	26.10	26.10	26.19	26.22	26.30	26.30	25.98	25.72	25.70	25.90	25.70
8 0	26.02	26.10	26.08	26.18	26.24	26.34	26.22	25.96	25.72	25.68	25.88	25.70
13 0	26.02	26.12	26.08	26.18	26.24	26.37	26.20	25.95	25.72	25.68	25.86	25.68
18 0	26·02	26.12	26.10	26.18	26.26	26.37	26.18	25.94	25.71	25.69	25.84	25·66
23 0	26.02	26.12	26.12	26.19	26.27	26.37	26·18	25.92	25.69	25.69	25·82	25.63
28 0	26.03	26·11	26.12	26.20	26·27	26.36	26.16	25.92	25.68	25 70	25.80	25.61
33 0	26.05	26.10	26.11	26.20	26.27	26.36	26.15	25.92	25.68	25.70	25.80	25.60
38 0	26.05	26.10	26.10	26.20	26.28	26.36	26.14	25.90	25.69	25 69	25.78	25.60
43 0	26.06	26.10	26.12	26.20	26·29	26.34	26.11	25.86	25.69	25.70	25·75	25.60
48 0	26.08	26.10	26.16	26.19	26.30	26.33	26.06	25.84	25.69	25.70	25.73	25.60
53 0	26.08	26.12	26.20	26.19	26.30	26.33	26.02	25.80	25.69	25.70	25.72	25.60
58 0	26.10	26.10	26.20	26.18	26.32	26.31	26.00	25.72	25.70	25.90	25.72	25.60
Therm.	86°5	86°5	86°5	86°3	86°0	86°0	86°0	86°5	87°2	88°0	88°7	88°6

TERM-DAY OBSERVATIONS, ON THE 24TH OF OCTOBER 1860.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	23'953	24'090	23'884	23'130	23'267	24'021	23'953	23'816	23'953	24'226	24'502	24'639
5 0	23.816	24.090	23.953	23.130	23.404	24.090	23.953	23.816	24.021	24.226	24.502	24.639
10 0	23.953	24.090	23.884	23.060	23.404	24.159	23.953	23.884	24.021	24.226	24.432	24.639
15 0	23.816	24.159	23.816	22.991	23.404	24.159	23.884	23.884	24.090	24.226	24.502	24.639
20 0	23.884	24.159	23.746	22.991	23.473	24.159	23.884	23.953	24.090	24.295	24.502	24.639
25 0	23.884	24.090	23.677	22.923	23.473	24.159	23.884	23.953	24.090	24.295	24.502	24.639
30 0	23.884	24.159	23.677	22.923	23.540	24.090	23.816	23.884	24.159	24.363	24.570	24.639
35 0	23.953	24.159	23.677	22.991	23.609	24.021	23.816	23.884	24.159	24.432	24.570	24.639
40 0	24.021	24.159	23.609	23.060	23.677	23.953	23.884	23.884	24.226	24.432	24.570	24.639
45 0	24.090	24.090	23.540	23.060	23.677	23.953	23.816	23.816	24.295	24.502	24.639	24.639
50 0	24.090	24.090	23.404	23.130	23.953	24.021	23.816	23.816	24.226	24.432	24.639	24.570
55 0	24.090	24.090	23.267	23.198	24.090	23.953	23.816	23.816	24.226	24.502	24.639	24.432

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
2 0	19.29	19.09	19.04	19.15	19.20	19.10	19.00	19.04	18.95	18.90	19.15	19.07
7 0	19.28	19.10	19.05	19.15	19.20	19.10	19.05	19.03	18.94	18.92	19.15	19.07
12 0	19.25	19.08	19.08	19.16	19.20	19.10	19.04	19.03	18.95	18.95	19.16	19.07
17 0	19.21	19.08	19.10	19.14	19.20	19.09	19.03	19.01	18.95	18.97	19.16	19.07
22 0	19.19	19.07	19.10	19.15	19.19	19.09	19.05	19.00	18.94	18.94	19.18	19.07
27 0	19.15	19.06	19.09	19.18	19.18	19.09	19.06	19.00	18.95	18.92	19.18	19.07
32 0	19.11	19.05	19.08	19.22	19.17	19.09	19.06	19.00	18.93	18.95	19.16	19.07
37 0	19.10	19.03	19.08	19.25	19.17	19.08	19.05	19.00	18.92	18.97	19.14	19.10
42 0	19.09	19.04	19.09	19.26	19.15	19.08	19.05	19.00	18.90	19.03	19.12	19.14
47 0	19.09	19.05	19.11	19.24	19.15	19.08	19.05	18.99	18.89	19.04	19.11	19.15
52 0	19.09	19.07	19.12	19.21	19.14	19.06	19.04	18.98	18.88	19.08	19.11	19.18
57 0	19.09	19.06	19.13	19.20	19.14	19.00	19.03	18.96	18.88	19.11	19.09	19.23
Therm.	89°6	89°5	89°0	88°3	87°6	87°0	87°0	87°0	86°9	86°5	86°2	86°0

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
3 0	25.60	25.58	25.41	25.36	25.58	25.69	25.80	25.78	25.85	25.93	25.97	26.00
8 0	25.60	25.60	25.39	25.37	25.59	25.70	25.78	25.78	25.85	25.94	25.98	26.00
13 0	25.60	25.60	25.38	25.39	25.61	25.75	25.78	25.78	25.86	25.95	25.98	26.00
18 0	25.60	25.58	25.38	25.40	25.63	25.78	25.78	25.78	25.88	25.96	25.99	26.00
23 0	25.60	25.55	25.37	25.43	25.65	25.79	25.78	25.78	25.91	25.94	25.99	26.00
28 0	25.58	25.52	25.35	25.47	25.67	25.80	25.78	25.78	25.93	25.93	26.99	26.00
33 0	25.58	25.52	25.35	25.50	25.67	25.80	25.78	25.80	25.93	25.94	26.00	26.00
38 0	25.56	25.50	25.35	25.52	25.68	25.80	25.78	25.80	25.94	25.94	26.00	26.00
43 0	25.58	25.48	25.34	25.54	25.68	25.80	25.78	25.80	25.94	25.95	26.00	26.00
48 0	25.58	25.45	25.36	25.55	25.68	25.80	25.78	25.81	25.95	25.95	26.00	26.00
53 0	25.58	25.42	25.36	25.57	25.67	25.80	25.78	25.81	25.94	25.96	26.00	26.00
58 0	25.58	25.42	25.35	25.58	25.69	25.80	25.78	25.82	25.94	25.98	26.00	26.00
Therm.	89°1	89°6	89°5	89°4	88°7	88°0	88°0	87°8	87°7	87°6	87°	87°0

TERM-DAY OBSERVATIONS, ON THE 23RD OF NOVEMBER 1860.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	25'326	25'669	24'846	24'570	24'363	24'432	24'983	25'875	25'875	24'570	24'295	24'707
5 0	25.326	25.669	24.639	24.432	24.159	24.432	25.051	26.012	25.875	24.846	24.363	24.776
10 0	25.326	25.737	24.570	24.432	24.226	24.570	25.189	26.149	25.806	24.639	24.363	24.846
15 0	25.394	25.600	24.846	24.570	24.295	24.639	25.189	26.218	25.669	24.570	24.363	24.943
20 0	25.394	25.600	24.914	24.432	24.363	24.707	25.189	26.218	25.326	24.432	24.363	25.120
25 0	25.257	25.532	24.914	24.432	24.159	24.776	25.189	26.149	25.326	24.295	24.363	25.120
30 0	25.257	25.532	24.983	24.570	24.021	24.846	25.257	26.149	25.257	24.363	24.363	25.189
35 0	25.189	25.463	24.914	24.295	24.090	24.914	25.394	26.218	25.257	24.363	24.432	25.326
40 0	25.532	25.326	24.846	24.159	24.159	24.983	25.532	26.149	25.120	24.363	24.502	25.394
45 0	25.532	25.257	24.846	23.953	24.226	24.914	25.532	26.080	24.983	24.226	24.570	25.463
50 0	25.669	25.257	24.914	23.953	24.363	24.983	25.600	26.080	24.707	24.226	24.639	25.532
55 0	25.532	25.257	24.776	24.090	24.363	25.051	25.669	26.012	24.639	24.363	24.639	25.532

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
2 0	20.02	20.05	19.95	19.89	20.04	20.15	20.39	20.40	20.49	20.37	20.15	19.82
7 0	19.97	19.96	19.90	19.88	20.10	20.17	20.37	20.40	20.49	20.31	20.15	19.76
12 0	19.99	19.90	19.93	19.90	20.07	20.21	20.36	20.40	20.50	20.31	20.15	19.72
17 0	19.99	19.95	19.97	19.91	20.02	20.23	20.35	20.38	20.50	20.31	20.16	19.69
22 0	19.98	20.00	20.02	19.94	19.99	20.24	20.35	20.38	20.52	20.33	20.15	19.66
27 0	19.96	19.98	20.04	19.95	20.03	20.27	20.35	20.40	20.44	20.36	20.12	19.65
32 0	19.96	19.96	20.08	19.98	20.07	20.29	20.35	20.43	20.45	20.35	20.10	19.63
37 0	19.95	19.95	20.06	19.96	20.10	20.28	20.36	20.45	20.43	20.30	20.06	19.62
42 0	19.94	19.95	20.03	19.95	20.10	20.26	20.36	20.48	20.44	20.27	20.00	19.60
47 0	19.95	19.90	20.01	19.95	20.11	20.29	20.36	20.48	20.42	20.25	19.95	19.59
52 0	19.97	19.87	20.02	19.95	20.15	20.34	20.37	20.48	20.40	20.17	19.90	19.57
57 0	19.97	19.85	19.98	19.99	20.17	20.36	20.40	20.49	20.39	20.15	19.84	19.54
Therm.	81°0	80°5	80°4	80°4	80°2	80°4	80°6	81°4	82°0	83°0	84°4	85°9

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
3 0	26.65	26.72	26.70	26.78	26.70	26.65	26.67	26.70	26.40	26.27	26.30	26.25
8 0	26.65	26.72	26.72	26.78	26.72	26.66	26.68	26.68	26.40	26.30	26.28	26.25
13 0	26.67	26.72	26.72	26.78	26.71	26.66	26.68	26.66	26.40	26.28	26.28	26.26
18 0	26.69	26.73	26.72	26.80	26.70	26.67	26.68	26.66	26.35	26.28	26.26	26.27
23 0	26.70	26.74	26.74	26.80	26.69	26.67	26.69	26.65	26.35	26.28	26.23	26.28
28 0	26.70	26.74	26.74	26.78	26.68	26.67	26.69	26.62	26.35	26.28	26.21	26.27
33 0	26.70	26.75	26.74	26.78	26.66	26.68	26.69	26.60	26.35	26.25	26.20	26.28
38 0	26.70	26.75	26.75	26.78	26.68	26.69	26.70	26.55	26.32	26.26	26.23	26.28
43 0	26.71	26.75	26.75	26.78	26.66	26.70	26.70	26.50	26.28	26.28	26.25	26.27
48 0	26.71	26.75	26.75	26.77	26.64	26.68	26.70	26.50	26.28	26.28	26.25	26.27
53 0	26.71	26.75	26.75	26.77	26.63	26.68	26.70	26.50	26.26	26.28	26.25	26.27
58 0	26.72	26.73	26.76	26.78	26.65	26.67	26.70	26.45	26.26	26.30	26.25	26.28
Therm.	81°8	81°0	81°0	80°8	80°6	80°7	81°0	81°0	81°1	82°1	83°2	84°0

TERM-DAY OBSERVATIONS, ON THE 23RD OF NOVEMBER 1860.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	25'532	25'875	25'326	24'983	24'707	24'983	24'983	24'983	25'257	25'257	24'914	24'776
5 0	25.600	25.806	25.463	24.983	24.707	24.983	24.983	24.983	25.257	25.257	24.846	24.706
10 0	25.875	25.806	25.463	25.051	24.707	24.983	24.846	25.120	25.257	25.257	24.846	24.777
15 0	25.875	25.806	25.326	25.051	24.776	25.051	24.776	25.120	25.257	25.326	24.846	24.776
20 0	25.875	25.737	25.532	24.983	24.776	25.051	24.776	25.120	23.189	25.326	24.846	24.776
25 0	25.875	25.737	25.326	24.914	24.846	25.051	24.707	25.120	25.189	25.257	24.846	24.776
30 0	25.875	25.669	25.326	24.776	24.983	25.051	24.707	25.120	25.257	25.257	24.846	24.776
35 0	25.875	25.532	25.326	24.776	25.051	25.051	24.639	25.394	25.257	25.257	24.914	24.716
40 0	25.875	25.532	25.463	24.707	25.051	25.120	24.846	25.532	25.257	25.189	24.846	24.914
45 0	25.875	25.394	25.257	24.570	25.120	25.120	24.846	25.532	25.326	25.051	24.776	24.844
50 0	25.875	25.394	25.057	24.570	25.051	25.051	24.846	25.532	25.326	24.914	24.776	24.846
55 0	25.875	25.326	25.120	24.639	25.051	25.051	24.983	25.394	25.257	24.914	24.776	24.846

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*)

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
2 0	19.53	19.55	19.60	19.74	19.80	19.77	19.71	19.59	19.75	20.05	19.98	20.10
7 0	19.50	19.55	19.62	19.74	19.82	19.76	19.70	19.60	19.78	20.05	20.00	20.10
12 0	19.45	19.55	19.62	19.75	19.83	19.74	19.70	19.62	19.80	20.04	20.03	20.11
17 0	19.48	19.60	19.61	19.75	19.83	19.73	19.70	19.63	19.82	20.04	20.05	20.12
22 0	19.48	19.60	19.63	19.73	19.84	19.71	19.70	19.63	19.84	20.05	20.06	20.12
27 0	19.47	19.60	19.65	19.73	19.83	19.71	19.68	19.63	19.88	20.02	20.08	20.13
32 0	19.47	19.60	19.65	19.75	19.82	19.71	19.64	19.63	19.96	20.02	20.10	20.14
37 0	19.47	19.60	19.65	19.75	19.80	19.72	19.61	19.72	19.98	20.01	20.10	20.16
42 0	19.47	19.60	19.64	19.75	19.78	19.71	19.58	19.72	20.00	20.01	20.08	20.16
47 0	19.49	19.60	19.69	19.77	19.77	19.71	19.54	19.74	20.00	19.98	20.10	20.17
52 0	19.53	19.60	19.74	19.77	19.77	19.72	19.50	19.75	20.02	19.94	20.11	20.16
57 0	19.55	19.60	19.74	19.78	19.77	19.72	19.55	19.75	20.04	19.96	20.11	20.17
Therm.	85°4	84°6	84°0	83°5	83°2	82°9	82°7	82°1	81°5	81°5	81°1	81°1

VERTICAL FORCE MAGNETOMETER (*in Scale-Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
3 0	26.28	26.29	26.20	26.18	26.31	26.37	26.39	26.40	26.60	26.64	26.66	26.67
8 0	26.30	26.28	26.24	26.18	26.34	26.37	26.38	26.44	26.60	26.65	26.65	26.67
13 0	26.30	26.27	26.25	26.16	26.35	26.38	26.37	26.50	26.60	26.65	26.65	26.67
18 0	26.30	26.27	26.25	26.16	26.33	26.38	26.37	26.52	26.62	26.65	26.64	26.68
23 0	26.30	26.26	26.24	26.18	26.32	26.38	26.37	26.54	26.62	26.64	26.63	26.66
28 0	26.30	26.25	26.24	26.20	26.30	26.39	26.38	26.55	26.60	2.665	26.62	26.66
33 0	26.30	26.24	26.25	26.22	26.32	26.39	26.39	26.58	26.60	26.65	26.61	26.67
38 0	26.30	26.22	26.24	26.22	26.33	26.39	26.40	26.60	26.60	26.65	26.62	26.67
43 0	26.30	26.22	26.24	26.24	26.35	26.40	26.40	26.60	26.60	26.65	26.63	26.68
48 0	26.30	26.22	26.24	26.26	26.37	26.39	26.40	26.60	26.60	26.65	26.65	26.69
53 0	26.30	26.22	26.25	26.28	26.38	26.38	26.40	26.60	26.62	26.65	26.66	26.69
58 0	26.30	26.20	26.22	26.30	26.37	26.39	26.40	26.60	26.62	26.65	26.67	26.70
Therm.	84°0	83°8	83°5	83°5	83°3	83°1	82°9	82°5	82°0	82°0	81°9	81°9

TERM-DAY OBSERVATIONS, ON THE 19TH OF DECEMBER 1860.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	23'884	24'090	24'295	24'502	24'570	24'846	25'257	25'532	25'257	24'846	24'432	24'846
5 0	23.953	24.159	24.363	24.502	24.639	24.846	25.532	25.600	25.257	24.846	24.432	24.914
10 0	23.953	24.226	24.432	24.639	24.707	24.914	25.600	25.600	25.189	24.707	24.432	24.914
15 0	24.021	24.226	24.502	24.639	24.846	24.846	25.600	25.669	25.189	24.707	24.502	24.914
20 0	24.090	24.295	24.502	24.639	24.983	24.846	25.806	25.806	25.189	24.707	24.570	24.846
25 0	24.021	24.226	24.502	24.776	24.983	25.120	25.943	25.875	24.983	24.707	24.639	24.846
30 0	23.884	24.159	24.502	24.846	24.846	25.532	25.943	25.806	24.983	24.639	24.639	24.914
35 0	23.816	24.295	24.432	24.914	24.846	25.394	26.012	25.737	25.051	24.707	24.776	24.914
40 0	23.953	24.295	24.432	24.914	24.776	25.326	26.012	25.669	24.914	24.776	24.846	25.057
45 0	24.090	24.363	24.432	24.776	24.776	25.189	26.080	25.532	24.846	24.776	24.846	25.120
50 0	24.021	24.363	24.502	24.707	24.846	25.120	25.875	25.463	24.846	24.570	24.846	25.189
55 0	24.090	24.295	24.502	24.639	24.846	25.257	25.669	25.326	24.846	24.432	24.846	25.189

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
2 0	20.56	20.55	20.27	20.52	20.60	20·66	20.36	20.65	20.40	20.40	20.32	19.88
7 0	20.47	20.58	20.30	20.50	20.60	20.67	20.38	20.62	20.38	20.39	20.30	19.85
12 0	20.38	20.60	20.35	20.48	20.62	20.63	20.35	20.58	20.36	20.37	20.26	19.85
17 0	20.36	20.54	20.38	20.45	20.66	20 60	20.36	20.55	20.34	20.35	20.21	19.84
22 0	20.35	20.50	20.40	20.43	20.68	20.64	20.36	20.51	20.31	20.35	20.18	19.84
27 0	20.47	20.50	20.42	20·42	20.70	20.61	20.37	20.48	20.32	20.33	20.15	19.80
32 0	20.60	20.53	20.44	20.40	20.71	20.56	20.39	20.46	20·32	20.31	20.14	19.79
37 0	20.75	20.52	20.50	20.40	20.72	20.54	20.42	20.45	20.33	20.25	20.10	19.76
42 0	20.77	20.54	20.50	20.45	20.74	20.55	20.44	20.41	20.36	20·25	20.09	19.75
47 0	20.78	20.43	20.50	20.48	20.72	20.48	20.47	20.38	20.36	20.25	20.03	19.75
52 0	20.70	20.39	20.51	20.50	20.68	20.43	20.52	20.36	20.38	20.27	20.00	19.75
57 0	20.61	20.32	20.51	20.55	20.64	20.37	20.60	20.39	20.40	20.30	19.96	19.74
Therm.	80°1	80°0	79°8	79°6	78°6	78°6	79°9	81°5	83°0	84°0	85°0	86°1

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
3 0	27.82	27.98	27.89	27.78	27.80	27.92	28.00	27.74	27.51	27.35	27.20	27.20
8 0	27.85	27.93	27.85	27.80	27.82	27.92	28.00	27.73	27.48	27.31	27.22	27.22
13 0	27.86	27.91	27.84	27.82	27.85	27.95	28.00	27.72	27.46	27.30	27.22	27.20
18 0	27.87	27.86	27.80	27.84	27·85	27.98	28.00	27.70	27.43	27.30	27.20	27.22
23 0	27.88	27.85	27·77	27.85	27.85	28.02	28.00	27.70	27.40	27.27	27.20	27.20
28 0	27.82	27.85	27.78	27.85	27.85	28.04	28.00	27.70	27.40	27.26	27.20	27.20
33 0	27.80	27.86	27.78	27.85	27.85	28.05	27.98	27.68	27.40	27.25	27.22	27.20
38 0	27.76	27.85	27.78	27.85	27.85	28.05	27.97	27.66	27.40	27.27	27.22	27.22
43 0	27.79	27.85	27.78	27.84	27.86	28.02	27.93	27.61	27.40	27.25	27.22	27.25
48 0	27.84	27.88	27.78	27.82	27.88	28.00	27.90	27.55	27.40	27.24	27.22	27.28
53 0	27.90	27.87	27.78	27.81	27.90	28.00	27.84	27.54	27.40	27.21	27.20	27.28
58 0	27.95	27.90	27·78	27.80	27.92	28.00	27.76	27.52	27.36	27·20	27.20	27.28
Therm.	81°0	81°0	80°7	80°0	79°9	79°7	79°8	80°7	81°3	82°0	83°0	84°2

TERM-DAY OBSERVATIONS, ON THE 19TH OF DECEMBER 1860.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	25′257	26′012	26′629	25′669	25′600	25′806	25′189	24′914	25′120	24′846	24′159	24′432
5 0	25.257	26.080	26.492	25.669	25.875	25.806	25.189	24.914	25.189	24.846	24.226	24.432
10 0	25.257	26.149	26.218	25.669	25.737	25.875	25.120	24.914	25.189	24.707	24.159	24.363
15 0	25.326	26.286	26.218	25.600	25.737	25.875	25.120	24.846	25.051	24.502	24.159	24.363
20 0	25.326	26.355	26.080	25.600	25.806	25.737	25.120	24.914	25.051	24.432	24.295	24.432
25 0	25.463	26.423	26.080	25.600	25.737	25.669	24.983	24.983	25.051	24.363	24.432	24.502
30 0	25.463	26.561	25.943	25.532	25.600	25.669	24.983	24.983	25.189	24.159	24.512	24.502
35 0	25.532	26.766	25.737	25.532	25.532	25.737	24.983	24.914	25.189	24.159	24.512	24.570
40 0	25.600	26.972	25.669	25.600	25.669	25.600	24.983	24.983	25.189	24.159	24.432	24.570
45 0	25.669	26.904	25.737	25.394	25.737	25.463	24.914	25.051	25.051	24.021	24.363	24.570
50 0	25.737	26.766	25.737	25.532	25.737	25.326	24.914	25.120	24.983	24.159	24.363	24.502
55 0	25.806	26.698	25.737	25.600	25.737	25.326	24.914	25.189	24.914	24.159	24.432	24.432

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
2 0	19·71	19.40	19.24	19.63	19.63	19.65	19.66	19.75	19.91	20.15	20.27	20.17
7 0	19.71	19.40	19.29	19.65	19.63	19.64	19·68	19.76	19.87	20.20	20.30	20.17
12 0	19.70	19.39	19.34	19.64	19.65	19.64	19.70	19.76	19.86	20·30	20.32	20.16
17 0	19.69	19.37	19.36	19.63	19.65	19.65	19.70	19.77	19.85	20·40	20.33	20.18
22 0	19.68	19.38	19.38	19.63	19.66	19.62	19.71	19.79	19.85	20.50	20.28	20.15
27 0	19.64	19.37	19.40	19.63	19.69	19.58	19.72	19·84	19.85	20.55	20.24	20.12
32 0	19·62	19.37	19.42	19.63	19.74	19.57	19.73	19.89	19.85	20.55	20.21	20.10
37 0	19.59	19.35	19.44	19.64	19.76	19.57	19.74	19.90	19.90	20.50	20.21	20.10
42 0	19.55	19.32	19.50	19.64	19.72	19.61	19.75	19.92	19.95	20.46	20.18	20.13
47 0	19.50	19·30	19.55	19.64	19.65	19.65	19.75	19.92	20.00	20.40	20.15	20.17
52 0	19.46	19.27	19.58	19.63	19.66	18.65	19.75	19.93	20.05	20.35	20.15	20.20
57 0	19.43	19.25	19.62	19.63	19.66	19.66	19.75	19.94	20.10	20.30	20.16	20.20
Therm.	86°3	86°5	86°0	84°9	84°0	83°1	82°8	82°5	81°7	81°0	81°5	81°0

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
3 0	27.28	27.27	27.23	27.25	27·40	27.48	27.30	27.18	27.22	27.20	27.50	27.55
8 0	27.28	27.28	27.26	27.25	27.40	27.48	27.15	27·17	27.22	27.20	27.52	27.55
13 0	27.28	27.28	27.24	27.30	27.42	27.48	27.10	27.15	27.22	27.20	27.55	27.55
18 0	27.29	27.28	27.22	27.30	27.45	27.46	27.10	27·16	27.22	27.20	27.55	27.56
23 0	27.29	27.28	27.20	27.30	27.45	27.46	27.08	27.17	27.22	27.30	27.55	27.56
28 0	27.29	27·29	27.20	27.30	27.44	27.46	27.08	27.18	27.22	27.40	27.55	27.58
33 0	27·28	27.29	27.20	27.30	27.44	27.46	27.10	27.19	27.22	27.44	27.55	27.60
38 0	27.27	27·29	27.20	27.32	27.44	27.44	27.10	27.20	27.23	27.48	27.55	27·60
43 0	27.27	27.29	27.20	27.34	27.45	27.42	27.12	27.20	27.23	27.50	27.55	27.62
48 0	27·26	27.29	27.21	27.34	27.45	27.40	27.13	27.20	27.22	27.50	27.55	27.62
53 0	27.26	27.28	27.23	27.37	27.45	27.42	27.15	27.22	27.22	27.50	27.55	27.62
58 0	27.26	27.28	27.25	27.40	27.47	27.42	27.20	27.22	27.20	27.50	27.55	27.60
Therm.	84°7	85°2	85°3	85°0	84°0	83°6	83°4	83°0	82°6	82°0	81°7	81°5

BOMBAY GOVERNMENT OBSERVATORY.

ABSTRACT OF THE RESULTS

OF THE

MAGNETICAL OBSERVATIONS.

1860.

BOMBAY MAGNETICAL OBSERVATIONS.

MAGNETICAL RESULTS.

Under this head are comprised the five Magnetic Elements:—

1st.—Declination.
2nd.—Horizontal Force.
3rd.—Vertical Force.
4th.—Dip or Inclination.
5th.—Total Force.

From the mean absolute values of these five elements, the Summary of the Results and the necessary data for the Disturbance Calculations have been principally extracted.

Observations of Inclinations were made twice a week, and the Observations of the Absolute Horizontal Force, as deduced from the Deflection Observations, were made generally once a week during this year.

From the peculiar position of the large Declinometer, with reference to the Transit Instrument, each observation becomes an absolute determintion of Declination.

By means of the absolute determinations of Dip and Horizontal Force, the mean values obtained from the Scale Readings of Horizontal Force and Vertical Force Magnetometers were duly corrected and registered in the Results; from the values thus corrected, were calculated the Dip (deduced) and Total Intensity.

Disturbance or Abnormal Days were scrupulously thrown out in finding the hourly and monthly mean values of each Element.

DECLINATION.

TABLE I.—*Mean Value of Absolute Easterly Declination, as obtained by the Large Declination Magnetometer, for each Day of Göttingen Mean Time.*

Date, 1860.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1		22·986	22·866	23·356	22·961	24·024	24·764*	24·874		24·139	24·487	
2	22·792	22.946	22.955	23.141	23.074		24.628	24.959	24·148	24.531	25.065	24·991
3	23.334	23.009		23.338	23.081	23.758	25.055	24.652	24.344	25.403		25.051
4	22.860		23.654	23.444	23.011	24.128	25.677*		24.239	25.123	25.867	25.051
5	22.069	23.181	23.252			24.778	25.094*	24.656	24.041	24.559	25.097	24.991
6	23.132	22.801		23.147	23.837	23.872	24.637	25.143*	25.322*		24.845	24.891
7		22.909	23.338		23.241	24.207		25.617*	24.882*	24.370	24.908	24.722
8	22.536	22.804	24.525*	23.115	23·623	23.790	24.736	26.805*		24.097	24.894	
9	22.658	22.895	23.539	24.737	23.353		24.379	26.277*	24.133	24.067	24.793	24.757
10	22.224	23.095		23.458	24.085	24.136	34.568	26.259*	23.304	24.299		25.443*
11	23.776		23.292	24.073	23.808	24.297	24.561	25.461*	24.098	23.907		25.869
12	22.975	23.278	23.527*	23.917		24.409	25.171*		24.080	24.264	24.405	25.629
13	23.035	23.306	23.452	24.173	23.601	23·787	24.414	26.052*	23.916		24.682	25.103
14		22.846	23.338		23.215	24.044		25.428	23.781	24.001	24.934	24.791
15	22.788	22.894	23.384	23.472	28.414	23·518	24.437	24.882		24.227	25.112	
16	22.644	22.406	23.572	23.009	23.490		24.893	23.940	24.948	24.113	24.848	25.709
17	22.974	22.461		23.558	23.435	24.094	23.719		24.442	24.353		25.160
18	23.161		24.041	23.552	23.953	24.213	24·241	24.013	24.522	24.594	24.814	25.283
19	22.958		24.021	23.735		23·712	24.273	23.731	24.287	23.998	25.017	25.005
20	23.052	23.408	23.355	23.804	23.485	24.413	24.296	23.627	24.433		24.897	24.977
21		24.367*	23.679		23.467	24.130		24.173	24.270	24.158	24.568	24.791
22	22.906	23.825*	23.490	22.863	23.378	23.661	24.233	23.555		23.921	24.507	
23	22.906	24.059	23.316	23.335			24.113	25.364	23.820	24.139	25.291	25.177
24	23.098	23.109		23.354	23.405	23.755	23.734	24.240	24.133	24.178	25.177	
25	22.931	23.010	22.652	22·986	23.835	24.081	22.243		24.399	23.996		25.491
26	23.215		23.092	23.484	23.257	23·415	22.766	24.164	24.706	24.319	24.775	25.574
27	22.840	22.989	23.721	23.240		24.210	22.726	24.067	24.299		25.074	25.317
28		23.084	24.096*		23.684	24.007		24.150	23.810	24.409	24.911	25.285
29	23.446	23.046	24.568*	23.149	23.461	24.696	22 438*	23.993		25.037	25.149	
30	23.192		24.665	22.470	23.822		22.703	24.073	23.738	24.571	25.208	25.225
31	23.136				24.230					24.299		

* This sign denotes an Abnormal day, or the day on which the Magnetic Disturbances occurred.

TABLE II.—*Showing, for each Month, the Mean Value of Easterly Declination, and its Periodic Changes from the Mean of the Year.*

Months, 1860.	Mean Value of Easterly Declination.	Difference from the Mean of the Year.	For SEASONS.	
January	22·986	−0·960		
February.....	23·024	− ·923	Mean of { Jan., Feb., March, / Oct., Nov., Dec. } or Winter ..	23·980
March.....	23·460	− ·486		
April	23·388	− ·558	Mean of { April, May, June, / July, Aug., Sept. } or Summer..	23·912
May	23·508	− ·438		
June.....	24·045	·099	Mean of the year.....	23·946
July	23·997	·051		
August.....	24·342	·396		
September	24·213	·267	Greatest Monthly Mean in December	25·167
October	24·332	·386	Least Monthly Mean in January	22·986
November	24·913	·967		
December	25·167	1·221	Difference..	2·181

TABLE III.—*Mean Value of Absolute Easterly Declination in Arc, in each Month, for each Hour of Göttingen Mean Time.*

Göttingen Mean Time.	MONTHS, 1860.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Noon.	22'908	22'602	23'423	23'677	23'292	23'437	23'416	24'457	24'902	24'588	25'134	25'552
1	22.675	22.502	23.171	23.651	23.628	24.158	23.959	24.920	24.738	24.127	24.694	24.973
2	22.417	22.443	22.835	23.369	23.707	24.483	24.305	24.570	24.129	23.930	24.645	25.078
3	23.016	22.867	23.032	23.158	23.286	23.947	23.750	24.121	24.188	24.270	24.915	25.400
4	23.021	23.067	23.165	23.286	23.341	23.807	23.452	24.285	24.209	24.316	24.958	25.257
5	23.024	26.057	23.200	23.355	23.413	23.854	23.569	24.231	24.165	24.275	24.850	25.198
6	23.161	23.032	23.299	23.421	23.570	23.928	23.706	24.231	24.191	24.335	25.040	25.141
7	23.219	23.085	23.551	23.612	23.558	24.132	23.784	24.341	24.275	24.568	25.185	25.269
8	23.156	23.181	23.669	23.849	23.641	24.254	23.962	24.433	24.484	24.659	25.136	25.168
9	23.095	23.159	23.613	23.840	23.694	24.359	24.075	24.589	24.531	24.662	25.106	25.133
10	22.878	23.052	23.482	23.927	23.720	34.288	24.156	24.647	24.575	24.721	25.048	25.090
11	22.797	22.913	23.379	23.555	23.604	24.435	24.190	24.642	24.489	24.565	25.043	25.018
12	22.552	22.660	23.077	23.573	23.691	24.561	24.379	24.833	24.549	24.377	24.776	25.018
13	22.324	22.400	23.005	23.765	24.060	24.897	24.780	25.380	24.955	24.316	24.549	24.887
14	22.369	22.337	23.312	24.781	25.472	26.320	26 275	27.230	26.236	24.743	24.395	24.833
15	22.401	22.347	24.218	25.711	26.507	27.098	27.093	28.581	27.211	25.732	24.235	24.714
16	23.227	23.310	25.023	25.651	26.851	26.993	26.916	28.111	26.860	26.075	24.953	25.343
17	24.198	24.314	25.345	24.354	24.827	25.822	25.615	25.796	25.136	25.401	25.461	25.845
18	24.061	24.374	25.100	22.595	23.140	24.128	23.974	23.503	23.276	24.258	25.227	25 349
19	23.066	23.818	23.848	21.360	21.625	22.102	22.555	21.558	21.712	22.893	24.441	24.547
20	22.752	23.279	22.661	20.888	20.767	21.020	21.718	20.520	20.751	22.420	24.621	24.704
21	33.206	23.143	22.183	21.277	20.976	21.079	21.420	20.650	21.208	22.731	25.089	25.272
22	23.187	22.936	22.515	21.930	21.710	21.538	21.673	21.544	22.397	23.615	25.246	25.630
23	22.955	22.680	22.947	22.859	22.784	22.398	22.712	23.027	23.837	24.362	25.136	25.612

TABLE IV.—*Showing, for the Year* 1860, *the Mean Value of Absolute Easterly Declination in arc, for each Hour of Göttingen Mean Time; and also its Diurnal Changes from the Mean of the Year.*

Göttingen Mean Time.	Bombay Civil Time.	Mean Value of Easterly Declination.	Difference from the Mean of the Year.
	H. M.		
Noon.	4 12 P. M.	0°23'949	−0°0'003
1	5 12 „	·23·933	− ·0·013
2	6 12 „	·23·826	− ·0·120
3	7 12 „	·23·829	− ·0·117
4	8 12 „	·23·847	− ·0·099
5	9 12 „	·23·849	− ·0·097
6	10 12 „	·23·921	− ·0·025
7	11·12 „	·24·052	·0·106
8	0 12 A. M.	·24·116	·0·170
9	1 12 „	·24·155	·0·209
10	2 12 „	·24·132	·0·186
11	3 12 „	·24·053	·0·107
12	·4 12 „	·24·004	·0·058
13	5 12 „	·24·109	·0·163
14	6 12 „	·24·858	·0·912
15	7 12 „	·25·488	·1·542
16	8 12 „	·25·726	·1·780
17	9 12 „	·25·176	·1·230
18	10 12 „	·24·082	·0·136
19	11 12 „	·22·794	− ·1·152
20	0 12 P. M.	·22·175	− ·1·771
21	1 12 „	·22·353	− ·1·593
22	2 12 „	·22·827	− ·1·119
23	2 12 „	·23·442	− ·0·504

Mean of {2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13,} or Night. 0°23'992

Mean of {14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 0, 1, 2,} or Day.. 0·23·900

Mean Annual.... 0·23·946

TIMES OF MEAN MAXIMUM AND MINIMUM.

	G. M. T.	B. C. T.
A Maximum at	Noon	or 4 P. M.
A Minimum at	2	or 6 P. M.
A Maximum at	9	or 1 A. M.
A Minimum at	12	or 4 A. M.
A Maximum at	16	or 8 A. M.
A Minimum at	20	or Noon.

TABLE V.—*Excess of the Mean Hourly Value of Absolute Easterly Declination above the Monthly Mean Value.*

Göttingen Mean Time.	MONTHS, 1860.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Noon.	-0'078	-0'422	-0'037	0'289	-0'216	-0'608	-0'561	0'115	0'689	0'256	0'221	0'385
1	-0.311	-0.522	-0.289	0.269	0.120	0.113	-0.018	0.578	0.625	-0.205	-0.219	-0.194
2	-0.569	-0.581	-0.625	-0.019	0.199	0.438	0.328	0.238	-0.084	-0.402	-0.268	-0.089
3	0.030	-0.157	-0.428	-0.230	-0.222	-0.098	-0.227	-0.221	0.025	-0.062	-0.002	0.233
4	0.035	0.043	-0.295	-0.102	-0.167	-0.238	-0.525	-0.057	-0.004	-0.016	0.045	0.090
5	0.038	0.033	-0.260	-0.033	-0.095	-0.191	-0.408	-0.111	-0.048	-0.057	-0.063	0.031
6	0.175	0.008	-0.161	0.033	0.062	-0.117	-0.271	-0.111	-0.022	0.003	0.127	-0.026
7	0.233	0.061	0.091	0.224	0.050	0.087	-0.193	-0.001	0.062	0.236	0.272	0.102
8	0.170	0.157	0.209	0.261	0.133	0.209	-0.015	0.091	0.271	0.327	0.223	0.001
9	0.109	0.135	0.153	0.452	0.186	0.314	0.098	0.247	0.318	0.330	0.193	-0.034
10	-0.108	0.028	0.022	0.539	0.212	0.243	0.171	0.305	0.362	0.389	0.135	-0.077
11	-0.189	-0.111	-0.081	0.167	0.096	0.390	0.213	0.300	0.276	0.233	0.130	-0.149
12	-0.434	-0.364	-0.353	0.185	0.183	0.516	0.402	0.490	0.336	0.045	-0.137	-0.149
13	-0.662	-0.624	-0.455	0.377	0.552	0.852	0.803	1.038	0.742	-0.016	-0.364	-0.280
14	-0.617	-0.687	-0.148	1.393	1.964	2.275	2.298	2.888	2.023	0.411	-0.518	-0.334
15	-0.585	-0.677	0.748	2.383	2.997	3.053	4.116	4.239	2.998	1.400	-0.678	-0.453
16	0.241	0.286	1.563	2.263	2.743	2.948	2.939	3.769	2.647	1.743	0.040	0.166
17	1.212	1.290	1.885	0.966	1.319	1.777	1.638	1.455	0.923	1.069	0.548	0.678
18	1.075	1.350	1.640	-0.793	-0.368	0.083	-0.003	-0.839	-0.937	-0.074	0.314	0.182
19	0.080	0.794	0.388	-2.028	-1.883	-1.943	-1.421	-2.784	-2.501	-1.439	-0.469	-0.620
20	-0.234	0.255	-0.799	-2.500	-2.741	-3.025	-2.259	-3.822	-3.462	-1.812	-0.292	-0.463
21	0.220	0.119	-1.277	-2.111	-2.532	-2.966	-2.557	-3.692	-3.005	-1.601	0.176	0.105
22	0.201	-0.088	-0.945	-1.458	-1.793	-2.507	-2.304	-2.798	-1.816	-0.717	0.333	0.463
23	-0.031	-0.344	-0.513	-0.529	-0.724	-1.647	-1.265	-1.315	-0.376	0.030	0.223	0.445

TABLE VI.—*Showing, for the Year* 1860, *the Hours of Göttingen Mean Time, at which the Mean Value of Absolute Easterly Declination in Arc, in each Month, was at its Maximum and Minimum.*

Months, 1860.	The Mean Hourly Declination (in Arc) was at its								Mean Diurnal Range.	The Time at which the Mean Hourly Declination was at its							
	1st Evening Maximum.	1st Evening Minimum.	2nd Evening Maximum.	2nd Evening Minimum.	Midnight Maximum.	Morning Minimum.	Morning Maximum.	Midday Minimum.		1st Evening Maximum.	1st Evening Minimum.	2nd Evening Maximum.	2nd Evening Minimum.	Midnight Maximum.	Morning Minimum.	Morning Maximum.	Midday Minimum.
										H	H	H	H	H	H	H	H
January	23'206	22'417			23'219	22'324	24'198	22'752	1'874	21	2			7	13	17	20
February ..			23'067	23'032	23'181	22'337	24'374	22'443	2'037			4	6	8	14	18	26
March.....	23·423	22·835			23·669	23·005	25·345	22·183	3·162	0	2			8	13	17	21
April	23·677	23·158			23·927	23·555	25·711	20·888	4·823	0	3			10	11	15	20
May	23·707	23·286	23·570	23·558	23·720	23·604	26·507	20·767	5·740	2	3	6	7	10	11	15	20
June	24·483	23·807			24·359	24·288	27·098	21·020	6·078	2	4			9	10	15	20
July	24·305	23·452					27·093	21·420	5·673	2	4					15	21
August	24·920	24·121	24·285	24·231			28·581	20·520	8·061	1	3	4	6			15	20
September ..	24·902	24·129	24·209	24·165	24·575	24·489	27·211	20·751	6·460	0	2	4	5	10	11	15	20
October	24·588	23·930	24·316	24·275	24·721	24·316	26·075	22·420	3·655	0	2	4	5	10	13	16	20
November ..	25·246	24·645	24·958	24·850	25·185	24·235	25·461	24·441	1·226	22	2	4	5	7	15	17	19
December ..	55·630	24·973	25·400	25·141	25·269	24·714	25·845	24·547	1·298	22	1	3	6	7	15	17	19

TABLE VII.—*Daily Range of Absolute Easterly Declination in Arc, for each day of Göttingen Mean Time.*

Date, 1860.	January.	February	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1		3'224	2'195	7'411	6'108	6'176	9'332	6'724		7'342	3'569	
2	5'147	5.079	2.537	4.599	6·038		9.743	5.970	9'058	7.068	3.158	2'609
3	3.227	1.921		5.490	7.343	6.519	7.343	6.175	7.342	5.902		1.511
4	2.127		4.528	5.695	3.981	7·205	9.470		7.822	5.626	2.815	1·510
5	3.364	3·020	3.981			7.136	6.449	7.685	9.743	5.626	1.717	1.990
6	2.538	2.127		4.187	7·205	6.537	5.078	9.606	6.792		1.990	2.540
7		3.843	4.322		6.519	5.490		8.920	5.902	5.216	2.265	2.266
8	1·921	4.667	6.244	5.215	7.223	5.284	7.135	10.225		3.843	2.607	
9	2.195	3.843	4.391	5.490	6.450		6.793	9.949	7·822	4.117	2.335	2.813
10	2.949	2.744		4.112	5.387	7.000	3.363	9.537	6.313	3.294		4·118
11	3.499		5.214	5.285	4.734	5 421	5.069	6.792	3.648	4.392		2.539
12	3.570	2.607	4.598	5·215		4.803	3·842		5.285	3·844	2.335	2.607
13	4.324	3.705	3.157	4.167	6.039	5.696	4.803	6.724	5.421		1.854	2.519
14		3.157	2.196		7.273	5.902		9·332	5.930	5.696	1.786	1.167
15	3.913	2.058	3.156	4.529	6.519	5·284	4.597	9.057		5.765	1.716	
16	2.127	2.539	2.263	5.489	5.390		4.528	9.469	6.106	3.883	2.676	2 402
17	3·294	4.323		4.735	6·245	5.351	5.971	8·165	5.078	3.088		2.746
18	3.499		3.569	5.079	6·655	5.999	6.519		6.862	3.638	2.059	2.333
19	4.873		3.842	5.489		7.205	7.753	7.686	4·938	4.666	2.059	2.196
20	3·636	2.263	4.461	4.391	7.753	6.451	7.891	8.303	6.176		2.196	2·676
21		5.079	3·638		4.666	6.930		8·920	6.450	2.951	1.648	2.676
22	1.784	2.608	5.833	4.735	3.774	7.686	6.656	7.754		3.099	2.539	
23	2.704	3.747	5.216	5.765			6.176	8.989	7.822	2·196	2.471	1.716
24	2.402	1.851		4.324	5.696	8.096	6.176	7.342	8.028	2.471	2·402	
25	3.569	2.609	5.626	4.568	5·285	6.862	4.802	7.273	7.754	2.883		3.019
26	8.225		4.256	4.529	4.872	8.303	5.627		6.381	2.471	2.813	2.677
27	3.155	1.484	5.490	7.411		6.244	5.764	7.959	5.422		2.197	1.853
28		1.372	3.980		5.470	7.960		7.479	5.216	2·539	2.127	3.020
29	3.431	2.539	6.107	6.039	6.793	9.606	9.400	9.538		3.706	2.608	
30	2.764		5.558	6.176	5 696		7.205	10.292	7.136	4·048	2.745	2.402
31	2.331				6.038			10·018		3.501		

TABLE VIII.—*Showing the Greatest and the Least Values of Absolute Easterly Declination in Arc, in Simple Hourly Observations during the Year* 1860.

Months, 1860.	Greatest Declination in Arc.				Least Declination in Arc.			
	Day and Hour.	Greatest Declination.	Normal Mean.	Difference.	Day and Hour.	Least Declination.	Normal Mean.	Difference.
	D. H.				D. H.			
January	19·18	26'218	24'103	2'115	2·20	19'699	22'939	– 3'240
February	21·10	27·384	23·138	4·246	17·20	20·247	23·238	– 2·991
March	8·18	28·276	24·931	3·345	25·21	19·150	21·941	– 2·791
April	9·15	27·658	25 411	2·247	30 19	19·081	21·492	– 2·411
May	18·15	28·207	26·566	1·641	3·20	19·218	20·815	– 1·597
June	29·14	30·334	26·298	4·036	26·20	17·709	21·253	– 3·544
July	4·17	31·500	25·691	5·809	29·19	17·298	23·021	– 5·723
August	8·03	32·598	24·035	8·563	23·21	18·532	20·799	– 2·267
September	6·15	29·236	27·622	1·614	5·20	19·287	20 674	– 1·387
October	3·16	28·276	26·389	1·887	1·20	19·493	21·586	– 2·093
November	4·16	27·247	25·364	1·883	1·19	22·374	23·667	– 1·293
December	26·22	27·247	25·393	1·854	10·14	23·060	24·760	– 1·700

TABLE IX.—*Mean Value of Absolute Horizontal Intensity, as obtained from the Scale Readings of Large Horizontal Force Magnetometer, for each day of Göttingen Mean Time.*

Date, 1860.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.
1		8.0340	8.0448	8.0403	8.0443	8.0551	8.0232	8.0553		8.0336	8.0405	
2	8.0312	.0356	.0424	.0384	.0455		.0346	.0491	8.0443	.0356	.0310	8.0449
3	.0325	.0341		.0317	.0506	.0618	.0395	.0507	.0422	.0225		.0456
4	.0314		.0405	.0363	.0516	.0559	.0351*		.0376	.0246	.0372	.0440
5	.0314	.0373	.0422			.0554	.0292*	.0509	.0378	.0317	.0370	.0420
6	.0251	.0429		.0415	.0344	.0577	.0460	.0465*	.0212*		.0400	.0448
7		.0430	.0477		.0431	.0547		.0162*	.0169*	.0417	.0420	.0456
8	.0322	.0447	.0335*	.0412	.0472	.0553	.0497	.0207*		.0431	.0429	
9	.0329	.0443	.0383	.0175*	.0403		.0505	.0303*	.0343	.0429	.0416	.0431
10	.0383	.0426		.0308	.0404	.0489	.0555	.0306*	.0357	.0434		.0223*
11	.0200		.0449	.0324	.0354	.0437	.0598	.0337*	.0389	.0441		.0266
12	.0271	.0324	.0312*	.0273		.0462	.0463*		.0396	.0432	.0469	.0332
13	.0296	.0359	.0351	.0262	.0441	.0500	.0492	.0259*	.0418		.0468	.0365
14		.0396	.0353		.0454	.0529		.0398	.0428	.0474	.0448	.0385
15	.0337	.0394	.0375	.0349	.0476	.0553	.0536	.0420		.0459	.0425	
16	.0288	.0440	.0405	.0332	.0518		.0549	.0327	.0326	.0469	.0418	.0274
17	.0317	.0314		.0390	.0490	.0514	.0504	.0369	.0377	.0411		.0310
18	.0325		.0275	.0359	.0483	.0501	.0516		.0397	.0443	.0440	.0334
19	.0319		.0315	.0358		.0502	.0509	.0411	.0385	.0466	.0459	.0380
20	.0280	.0392	.0395	.0377	.0477	.0528	.0510	.0451	.0364		.0464	.0381
21		.0218*	.0352		.0473	.0497		.0450	.0405	.0452	.0468	.0375
22	.0275	.0254*	.0351	.0438	.0525	.0538	.0530	.0423		.0462	.0489	
23	.0268	.0351	.0371	.0423			.0533	.0429	.0441	.0466	.0367	.0389
24	.0322	.0404		.0432	.0394	.0543	.0525	.0421	.0462	.0487	.0411	
25	.0286	.0422	.0419	.0485	.0481	.0549	.0567	.0477	.0421	.0454		.0374
26	.0302		.0426	.0404	.0507	.0596	.0560		.0373	.0423	.0424	.0357
27	.0325	.0439	.0346	.4446		.0573	.0537	.0473	.0448		.0410	.0394
28		.0407	7.9940*		.0549	.0524		.0484	.0444	.0394	.0410	.0393
29	.0307	.0468	8.0014*	.0524	.0557	.0486	.0534	.0486		.0299	.0415	
30	.0313		.0267	.0430	.0600		.0545	.0436	.0479	.0309	.0402	.0386
31	.0322				.0575			.0433		.0373		

* This sign denotes an Abnormal day, or the day on which a Magnetic Disturbance has taken place.

TABLE X.—*Showing, for each Month, the Mean Value of Absolute Horizontal Intensity, and its Periodic Changes from the Mean of the Year.*

Months, 1860.	Mean Value of Horizontal Intensity.	Difference from the Mean of the Year.	FOR SEASONS.	
	En. Un.	En. Un.		En. Un.
January	8·0304	−0·0117	Mean of { Jan., Feb., March, / Oct., Nov., Dec. } or Winter..	8·0382
February	·0395	− ·0026		
March	·0381	− ·0040		
April	·0384	− ·0037	Mean of { April, May, June, / July, Aug., Sept. } or Summer...	8·0459
May	·0474	·0053		
June.....	·0531	·0110		
July.....	·0513	·0092	Mean of Year.....	8·0421
August.....	·0450	·0029		
September	·0404	− ·0017	Greatest Monthly Mean in June	8·0537
October	·0408	− ·0013	Least Monthly Mean in January	8·0304
November	·0421	·0000		
December	·0384	− ·0037	Difference....	0·0227

TABLE XI.—*Mean Value of Absolute Horizontal Intensity, corrected for Instrumental errors, in each Month, for each Hour of Göttingen Mean Time.*

Göttingen Mean Time.	MONTHS, 1860.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.
Noon.	8.0346	8.0409	8.0396	8·0381	8.0479	8.0541	8.0495	8.0465	8.0405	8.0404	8.0435	8.0388
1	.0327	·0382	.0365	.0352	·0449	.0512	·0470	.0435	.0390	.0384	.0407	.0371
2	.0280	.0359	.0334	.0331	.0416	.0483	.0457	.0416	.0377	.0381	.0380	.0357
3	.0254	.0328	.0297	.0315	.0398	.0473	.0450	.0390	.0352	.0331	.0362	.0333
4	.0235	.0315	.0291	.0313	.0391	.0469	.0447	.0376	.0343	.0324	.0344	.0321
5	.0218	.0305	.0294	.0316	.0389	.0472	.0438	.0381	.0341	·0326	.0337	.0312
6	.0216	.0307	.0299	.0316	.0394	.0475	.0446	.0381	.0344	.0333	·0341	.0326
7	·0222	0314	.0298	.0313	.0397	·0474.	.0454	·0381	.0343	.0342	.0347	.0332
8	·0232	.0319	.0303	.0320	.0416	.0469	.0457	.0383	.0346	·0343	.0365	.0338
9	.0243	.0329	.0317	.0322	.0418	.0469	·0453	.0384	.0351	.0353	.0364	.0341
10	.0249	.0331	.0312	.0325	.0414	.0470	.0453	.0387	·0362	.0355	.0373	·0343
11	.0252	.0333	.0325	.0330	.0418	.0469	.0456	.0391	.0363	.0354	·0369	.0348
12	.0251	.0339	.0337	.0329	.0416	.0469	.0468	.0387	.0361	·0355	.0370	.0343
13	.0256	.0344	.0315	·0324	.0423	.0470	.0479	.0397	.0360	.0361	.0374	.0348
14	.0268	.0356	.0316	·0326	.0419	.0487	.0492	.0403	.0351	.0367	.0383	.0354
15	.0266	.0365	·0337	.0351	.0471	·0512	.0506	.0413	.0349	·0364	.0390	.0355
16	.0307	.0415	.0406	.0430	.0521	.0576	.0556	.0464	.0397	.0423	.0430	.0396
17	.0362	.0474	.0490	.0508	.0589	.0629	·0608	.0529	.0467	.0493	.0507	.0435
18	.0425	·0535	.0554	.0549	.0625	.0662	.0655	.0578	.0521	.1549	.0551	.0492
19	.0444	.0562	.0581	.0563	.0639	·0702	.0673	.0600	.0547	.0578	.0578	.0512
20	.0454	.0564	.0569	.0532	.0616	.0673	.0673	.0599	.0551	·0561	.0565	.0520
21	·0431	.0536	.0535	.0501	.0598	.0638	.0636	.0586	.0524	.0516	.0535	.0491
22	.0401	·0492	.0487	.0459	.0560	.0603	.0588	.0551	.0488	.0479	.0491	.0464
23	.0380	.0445	.0407	.0411	.0516	.0563	.0532	.0517	.0449	.0443	.0458	.0395

TABLE XII.—*Showing, for the Year* 1860, *the Mean Value of Absolute Horizontal Intensity, corrected for each Hour of Göttingen Mean Time; and also its Diurnal Changes from the Mean of the Year.*

Göttingen Mean Time.	Bombay Civil Time.	Mean Value of Horizontal Intensity.	Difference from the Mean of the Whole.
	H. M.	En. Un.	En. Un.
Noon.	4 12 P. M.	8·0429	0·0008
1	5 12 ,,	·0404	− .0017
2	6 12 ,,	·0381	− .0040
3	7 12 ,,	·0357	− .0064
4	8 12 ,,	·0347	− .0074
5	9 12 ,,	·0342	− ·0079
6	10 12 ,,	·0348	− ·0073
7	11 12 ,,	·0351	− ·0070
8	0 12 A. M.	·0358	− ·0063
9	1 12 ,,	·0362	− ·0059
10	2 12 ,,	·0365	− ·0056
11	3 12 ,,	·0367	− ·0054
12	4 12 ,,	·0369	− ·0052
13	5 12 ,,	·0371	− ·0050
14	6 12 ,,	·0377	− ·0044
15	7 12 ,,	·0390	− ·0031
16	8 12 ,,	·0443	·0022
17	9 12 ,,	·0508	·0087
18	10 12 ,,	·0558	·0137
19	11 12 ,,	·0586	·0165
20	0 12 P. M.	·0573	·0152
21	1 12 ,,	·0544	·0123
22	2 12 ,,	·0505	·0084
23	3 12 ,,	·0460	·0039

FOR DAY AND NIGHT.

	En. Un.
Mean of {2, 3, 4, 5, 6, 7, / 8, 9, 10, 11, 12, 13,} or Night	8·0360
Mean of {14, 15, 16, 17, 18, 19, / 20, 21, 22, 23, 0, 1,} or Day	8·0481
Mean Annual	8·4021

TIMES OF MEAN MAXIMUM AND MINIMUM.

G. M. T. B. C. T.
A Minimum at 5 or 9 M. P.
A Maximum at 19 or 11 A. M.

TABLE XIII.—*Excess of the Mean Hourly Value of Horizontal Intensity above the Monthly Mean Value.*

Göttingen Mean Time.	MONTHS, 1860.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.
Noon.	0.0042	0.0014	0.0015	-0.0003	0.0005	-0.0010	-0.0018	0.0015	0.0001	-0.0004	0.0014	0.0004
1	.0023	- .0013	- .0016	- .0032	- .0025	.0019	- .0043	- .0015	- .0014	- .0024	- .0014	- .0013
2	- .0024	- .0036	- .0047	- .0053	- .0053	- .0048	- .0056	- .0034	- .0027	- .0027	- .0041	- .0027
3	- .0050	- .0072	- .0080	- .0069	- .0076	- .0053	- .0063	- .0060	- .0052	- .0077	- .0059	- .0051
4	- .0069	- .0080	- .0090	- .0071	- .0083	- .0062	- .0066	- .0074	- .0061	- .0084	- .0077	- .0063
5	- .0086	- .0087	- .0087	- .0068	- .0101	- .0059	- .0075	- .0069	- .0063	- .0102	- .0084	- .0072
6	- .0088	- .0088	- .0082	- .0063	- .0080	- .0056	- .0067	- .0069	- .0060	- .0075	- .0080	- .0058
7	- .0082	- .0081	- .0083	- .0071	- .0077	- .0057	- .0059	- .0069	- .0061	- .0066	- .0074	- .0052
8	- .0072	- .0076	- .0078	- .0064	- .0058	- .0062	- .0056	- .0067	- .0058	- .0065	- .0056	- .0046
9	- .0061	- .0066	- .0064	- .0062	- .0056	- .0062	- .0060	- .0066	- .0053	- .0055	- .0057	- .0043
10	- .0055	- .0064	- .0069	- .0059	- .0060	- .0061	- .0060	- .0063	- .0042	- .0053	- .0048	- .0041
11	- .0052	- .0062	- .0056	- .0054	- .0056	- .0062	- .0057	- .0059	- .0041	- .0054	- .0042	- .0036
12	- .0053	- .0056	- .0044	- .0055	- .0058	- .0062	- .0045	- .0063	- .0043	- .0053	- .0051	- .0041
13	- .0048	- .0051	- .0066	- .0060	- .0051	- .0061	- .0034	- .0053	- .0044	- .0047	- .0047	- .0036
14	- .0036	- .0039	- .0065	- .0058	- .0055	- .0044	- .0021	- .0047	- .0055	- .0041	- .0033	- .0030
15	- .0023	- .0030	- .0044	- .0033	- .0007	- .0019	- .0009	- .0037	- .0055	- .0044	- .0031	- .0029
16	.0003	- .0020	.0025	- .0046	.0047	.0045	.0043	.0014	- .0037	.0015	.0009	.0012
17	.0051	.0079	.0111	- .0024	.0115	.0098	.0095	.0079	.0063	.0085	.0086	.0051
18	.0121	.0140	.0173	.0165	.0151	.0131	.0142	.0123	.0117	.0141	.0130	.0108
19	.0140	.0167	.0200	.0179	.0165	.0171	.0160	.0150	.0143	.0170	.0157	.0128
20	.0150	.0169	.0188	.0148	.1042	.0142	.0160	.0149	.0147	.0153	.0144	.0136
21	.0127	.0141	.0154	.0117	.0124	.0107	.0123	.0136	.0080	.0108	.0114	.0107
22	.0097	.0101	.0106	.0075	.0086	.0072	.0075	.0101	.0084	.0071	.0070	.0080
23	.0076	.0050	.0026	.0027	.0042	.0032	.0019	.0067	.0045	.0035	.0062	.0011

TABLE XIV.—*Showing, for the Year* 1860, *the Hours of Göttingen Mean Solar Time, about which the Mean Value of Horizontal Intensity, corrected in each Month, was at its Maximum and Minimum.*

Months, 1860.	Mean Hourly Value of Horizontal Intensity, corrected.				Mean Diurnal Range.	The Time at which the Mean Hourly Value of Horizontal Intensity was at its			
	Minimum.	Maximum.	Minimum.	Maximum.		Minimum.	Maximum.	Minimum.	Maximum.
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	H.	H.	H.	H.
January	8·0216	8 0268	8·0266	8·0454	0·0238	6	14	15	20
February	·0305			·0564	·0259	5			20
March	·0291	·0337	·0315	·0581	·0290	4	12	13	19
April	·0313	·0330	·0324	·0563	·0250	4	11	13	19
May	·0389	·0423	·0419	·0639	·0250	5	13	14	19
June	·0469	·0475	·0469	·0702	·0233	4	6	12	19
July	·0438	·0457	·0453	·0673	·0235	5	8	10	19
August	·0376	·0391	·0387	·0600	·0224	4	11	12	19
September	·0341	·0363	·0349	·0551	·0210	5	11	15	19
October	·0324	·0367	·0364	·0578	·0254	4	14	15	19
November	.0337	·0373	·0369	·0578	·0241	5	10	11	19
December	·0312	·0348	·0343	·0520	·0208	5	11	12	20

TABLE XV.—*Mean Temperature of Air, confined within the Box of the Large Horizontal Force Magnetometer, for each Day of Göttingen Mean Time.*

Date, 1860.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1		74°1	80°6	83°7	86°1	89°5	82°1	82°0		85°5	84°7	
2	74°0	75.0	79.9	83.2	86.5		81.9	81.6	85°0	85.5	84.3	79°7
3	75.3	75.9		83.0	85.5	88.8	82.7	81.5	83.1	83.6		80.2
4	76.2		79.0	82.9	85.0	88.4	83.7		80.8	83.3	84.2	80.0
5	75.4	76.4	79.2			88.6	82.5	82.0	80.8	83.3	84.2	79.8
6	74.4	77.4		81.8	85.6	88.4	82.5	81.9	80.5		83.0	80.1
7		77.4	79.6		85.8	87.9		81.0	81.7	84.6	81.7	80.4
8	74.7	77.6	80.2	82.8	86.0	87.6	80.5	81.2		85.1	81.8	
9	75.5	77.7	79.7	83.5	85.9		80.8	82.1	82.4	85.6	81.5	81.9
10	76.7	78.6		84.1	86.3	84.6	82.4	82.4	82.3	86.2		81.3
11	78.2		80.3	83.4	86.3	85.5	83.6	82.2	82.2	86.6		81.0
12	78.0	80.3	80.1	83.0		82.8	84.4		83.1	87.3	81.3	80.8
13	77.2	81.0	79.1	82.7	86.2	81.5	84.8	81.6	82.8		81.2	78.7
14		79.8	80.2		86.4	83.9		81.6	83.1	86.8	81.0	79.1
15	75.0	79.3	80.3	83.6	86.1	85.2	83.1	82.0		86.5	80.9	
16	76.2	79.3	79.6	83.3	86.7		82.9	81.7	83.6	84.8	80.6	81.6
17	77.1	78.7		83.0	87.1	86.1	82.9	80.4	83.9	86.1		81.7
18	77.1		80.0	82.9	86.6	86.7	82.2		83.9	86.0	79.7	81.7
19	77.1		79.0	83.0		86.2	80.5	82.5	84.8	84.5	79.5	82.0
20	76.3	80.6	80.0	83.3	86.1	83.6	81.3	83.2	84.5		81.3	82.5
21		80.9	81.5		85.5	83.6		83.7	84.2	85.0	82.5	82.8
22	75.6	79.7	81.9	83.0	85.3	83.0	82.8	83.7		85.5	82.9	
23	70.8	78.6	82.9	83.5			82.8	83.1	84.2	86.5	82.4	81.6
24	73.3	78.5		83.6	86.4	85.6	83.1	83.5	84.4	87.1	82.2	
25	75.4	78.4	83.7	83.3	87.4	86.2	83.3	84.4	84.3	87.2		80.4
26	76.3		84.2	84.0	87.9	86.1	83.4		83.8	87.7	82.0	80.6
27	75.9	78.2	84.7	83.9		85.7	83.4	84.6	84.5		81.5	80.5
28		78.2	84.1		87.8	85.2		84.1	84.2	87.3	80.4	80.4
29	73.8	79.5	83.3	84.5	87.8	82.3	82.9	83.9		86.3	80.5	
30	73.8		83.6	85.4	88.5		83.3	84.3	85.3	85.2	80.0	81.4
31	73.8				89.2			84.3		84.8		

TABLE XVI.—*Showing, for each Month, the Mean Temperature of Air, confined within the Box of the Large Horizontal Force Magnetometer; and its Periodic Changes from the Mean of the Year.*

Months, 1860.	Mean Temperature of Air within the Box of L. H. F. M.	Difference from the Mean of the Year.	FOR SEASONS.
January	75°6	− 6°7	Mean of {Jan., Feb., March, Oct., Nov., Dec.} or Winter ..... 80°5
February	78·2	− 4·1	
March	80·9	− 1·4	
April	83·4	1·9	Mean of {Apr., May, June, July, Aug., Sept.} or Summer .... 84·1
May	86·5	4·2	
June	85·7	3·4	
July	82·6	0·3	Mean of the Year.. 82·3
August	82·9	0·6	
September	83·5	1·2	Greatest Monthly Mean in May..... 86·5
October	85·7	3·4	Least Monthly Mean in January ..... 75·6
November	81·8	− 0·5	
December.....	80·8	− 1·5	Difference..... 10·9

TABLE XVII.—*Mean Temperature of Air, confined within the Box of the Large Horizontal Force Magnetometer, in each Month, for each Hour of Göttingen Mean Time.*

Göttingen Mean Time.	MONTHS, 1860.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Noon.	79°6	81°0	83°6	85°5	86°87	88°0	83°4	84°5	85°3	87°9	85.7	84°2
1	78.6	80.2	83.0	84.9	88.2	87.2	83.2	84.0	84.7	87.2	84.2	83.2
2	77.2	79.1	82.1	84.2	87.4	86.5	82.8	83.5	84.1	86.4	83.0	42.2
3	76.6	78.7	81.5	83,7	86.8	86.0	82.6	83.1	83.7	85.9	82.9	81.6
4	76.1	78.4	81.1	83.4	86.4	85.8	82.5	82.7	83.4	85.7	82.5	81.2
5	75.7	78.0	80.8	83.1	86.2	85.6	82.4	82.6	83.2	85.4	81.9	80.7
6	75.2	77.8	80.6	82.9	86.0	85.4	82.3	82.5	83.0	85·2	81.3	80.1
7	74.6	77.5	80.3	82.7	85.8	85.2	82.3	82.4	82.8	84.9	80.9	79.7
8	74.3	77·2	80.1	82.4	85.6	85.0	82.2	82.3	82.7	84.7	80.6	79.5
9	73.9	77.0	79.7	82.2	85·4	84.9	82.1	82.2	82.6	84.6	80.2	79.3
10	73.6	76·7	79.5	82.0	85.2	84.7	82.0	82.1	82.6	84.4	80.0	79.1
11	73.3	76.5	79.1	81.8	85.0	84.6	81.9	82.0	82.5	84.3	79.6	78.8
12	72.9	76.2	78.9	81·6	84.8	84·5	81.8	81.8	82.4	84·1	79.2	78·5
13	72·5	75.9	78.7	81.4	84.7	84·3	81.8	81.7	82.3	84.0	78.8	78.1
14	72.1	75.6	78·4	81.3	84.6	84.2	81.8	81·6	82.1	83.8	78.5	77.8
15	72.0	75.4	78.3	81.5	85.0	84.3	81.7	81.7	82.2	83.9	78.5	77.8
16	72.7	75.9	78.8	82.1	85.6	84.7	82.0	81.9	82.6	84.4	79.2	78.6
17	73.9	76.9	79.8	83.1	86 3	85.3	82.5	82.5	83.2	85.3	80.3	79.6
18	75.2	78.3	81.5	83.9	87.1	86.1	82.9	83.1	83.8	86.2	81.7	80.8
19	76.8	79.5	82.1	84.6	87.7	86.7	83.2	83.7	84.3	86.9	83.0	82.2
20	78.0	80.5	82.8	85.2	88.2	87·0	83·6	84.0	84·8	87.5	84.2	83.2
21	78.9	81.1	83.4	85.5	88.6	87.2	83.8	84.4	85.0	87.8	85.2	84.2
22	79.5	81.6	83.8	85.7	88.8	87.4	83.9	84.7	85.3	88.1	85·7	84.7
23	79.7	81·6	84.0	85·7	88.9	87.3	83.7	84.8	85.4	88.2	85.9	84.8

TABLE XVIII.—*Showing, for the Year* 1860, *the Mean Temperature of Air, within the Box of the Large Horizontal Force Magnetometer, for each Hour of Göttingen Mean Time; and also its Diurnal Changes from the Mean of the Year.*

Göttingen Mean Time.	Bombay Civil Time.	Mean Temperature of Horizontal Force Thermometer.	Difference from the Mean of the Whole.	FOR DAY AND NIGHT.
	H. M.			
Noon.	4 12 P. M.	84°3	2°5	
1	5 12 „	84·0	1·7	
2	6 12 „	83·4	1·1	
3	7 12 „	82·8	0·5	
4	8 12 „	82·4	0·1	
5	9 12 „	82·1	− 0·2	Mean of {2, 3, 4, 5, 6, 7, / 8, 9, 10, 11, 12, 13,} or Night.... 81°6
6	10 12 „	81·9	− 0·4	
7	11 12 „	81·6	− 0·7	
8	0 12 A. M.	81·4	− 0·9	Mean of {14, 15, 16, 17, 18, 19, / 20, 21, 22, 23, 0, 1,} or Day..... 83·0
9	1 12 „	81·2	− 1·1	
10	2 12 „	81·0	− 1·3	
11	3 12 „	80·8	− 1·5	Mean Annual..... 82·3
12	4 12 „	80·6	− 1·7	
13	5 12 „	80·3	− 2·0	
14	6 13 „	80·1	− 2·2	
15	7 12 „	80·2	− 2·1	TIMES OF MEAN MAXIMUM AND MINIMUM.
16	8 12 „	80·7	− 1·6	
17	9 12 „	81·6	− 0·7	G. M. T. B. C. T.
18	10 12 „	82·5	0·2	A Minimum at 14 or 6 A. M.
19	11 12 „	83·4	1·1	A Maximum at 23 or 3 P. M.
20	0 12 P. M.	84·1	1·8	
21	1 12 „	84·6	2·3	
22	2 12 „	84·9	2·6	
23	3 12 „	85·0	2·7	

TABLE XIX.—*Excess of the Mean Hourly Temperature of Air, within the Box of the Large Horizontal Force Magnetometer, above the Monthly Mean.*

Göttingen Mean Time.	MONTHS, 1860.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Noon.	4°0	2°8	2°7	2°1	2°2	2°3	0°8	1°6	1°8	2°2	3°9	3°4
1	3.0	2.0	2.1	1.5	1·7	1.5	0.6	1.1	1.2	1.5	2.4	2.4
2	1.6	0.9	1.2	0.8	0.8	0·8	0.2	0.6	0.6	0.7	1.2	1·4
3	1.0	0.5	0.6	0·3	0.3	0.3	0.0	0.2	0.2	0.2	1.1	0.8
4	0.5	0.2	0.2	0.0	- 0.1	0.1	- 0.1	- 0.2	- 0.1	0.0	0.7	0.4
5	0.0	- 0.2	- 0.2	- 0.2	- 0.3	- 0.1	- 0.2	- 0.3	- 0.3	- 0·3	0.1	- 0.1
6	- 0.4	- 0.4	- 0.3	- 0.5	- 0.5	- 0.3	- 0.3	- 0.4	- 0.5	- 0.5	- 0.5	- 0.7
7	- 1.0	- 0.7	- 0.6	- 0.7	- 0.7	- 0.5	- 0.3	- 0.5	- 0.7	- 0.8	- 0.9	- 1.1
8	- 1.3	- 1.0	- 0.8	- 1.0	- 0.9	- 0.7	- 0.4	- 0.6	- 0.8	- 0.9	- 1.2	- 1.3
9	- 1.6	- 1.2	- 1.3	- 1.2	- 1.1	- 0.8	- 0.5	- 0.7	- 0.9	- 1.1	- 1.5	- 1.5
10	- 1.9	- 1.5	- 1.4	- 1.4	- 1.3	- 1.0	- 0.6	- 0.8	- 0.9	- 1.3	- 1.8	- 1·7
11	- 2.3	- 1.7	- 1.6	- 1.5	- 1.5	- 1.1	- 0.7	- 0.9	- 1.0	- 1.4	- 2.2	- 2.0
12	- 2·6	- 2.0	- 2.0	- 1.8	- 1.7	- 1.2	- 0.8	- 1.1	- 1.1	- 1.6	- 2.6	- 2.3
13	- 3.1	- 2.3	- 2.2	- 2.0	- 1.8	- 1.4	- 0·8	- 1.2	- 1.3	- 1.7	- 3.0	- 2.7
14	- 3.4	- 2.6	- 2.5	- 2.1	- 1.9	- 1.5	- 0.8	- 1.3	- 1.4	- 1.9	- 3·3	- 3.0
15	- 3.6	- 2.8	- 2.6	- 1.9	- 1.6	- 1.4	- 0.9	- 1.2	- 1.3	- 1.8	- 3.3	- 3.0
16	- 2.9	- 2.3	- 2.1	- 1.2	- 0.9	- 1.0	- 0.6	- 1.1	- 0.9	- 1.3	- 2.5	- 2.2
16	- 1.7	- 1.3	- 1.1	- 0.3	- 0.2	- 0.4	- 0·1	- 0·4	- 0.3	- 0.4	- 1.5	- 1.2
18	- 0.4	0.1	0.6	0.5	0.5	0.4	0.6	0.2	0.3	0.5	- 0.1	0.0
19	1.2	1.3	1.2	1.3	1.2	1.0	0.6	0.8	0.8	1.2	1.2	1.4
20	2.4	2.3	1·9	1.8	1.7	1.3	1.0	1.1	1.3	1.8	2.4	2.4
21	3.3	2.9	2·5	2.1	2.0	1.5	1.2	1.5	1.5	2.1	3.4	3.4
22	4.0	3.4	2·9	2.3	2.3	1.7	1·3	1.8	1.8	2·4	3·9	3.9
23	4.1	3.4	3.1	2.3	2.4	1.6	1.1	1.9	1.9	2.5	4.1	4 0

TABLE XX.—*Showing, for the Year* 1860, *the Hours of Göttingen Mean Time at which the Mean Temperature of Air, confined within the Box of the Large Horizontal Force Magnetometer, in each Month, was at its Maximum and Minimum.*

Months, 1860.	The Mean Hourly Temperature of Air within the Box of the L. H. F. M.		Mean Diurnal Range.	The Time at which the Mean Hourly Temperature by the H. F. Thermometer was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
				H.	H.
January	79°7	72°0	7°7	23	15
February	81·6	75·4	6·2	22 and 23	15
March	84·0	78·3	5·7	23	15
April	85·7	81·3	4·4	22 and 23	14
May.....	88·9	84·6	4·3	23	14
June.....	87·4	84·2	3·2	22	14
July.....	83·9	81·7	2·2	22	15
August.....	84·8	81·6	3·2	23	14
September	85·4	82·1	3.3	23	14
October	88·2	83·8	4·4	23	14
November	85·9	78·5	7·4	23	14 and 15
December.....	84·8	77·8	7·0	23	14 and 15

TABLE XXI.—*Mean Temperature of Circumambient Air for each Day of Göttingen Mean Time.*

Date, 1860.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1		70°8	79°6	81°4	85°0	87°9	79°6	79°2		83°9	81°7	
2	70°4	72·1	77·7	81.2	85.7		79.8	79.8	82°4	83.3	81.5	75°6
3	71.8	73.2		80.9	84.0	86.7	81.3	80.2	78.5	80.5		76.5
4	71.8		76·1	80.7	83.6	87.0	82.1		78.0	81.0	71·3	76.4
5	71.6	74·2	76.7			87.2	79.6	80.5	78.7	81.0	71.7	75.9
6	70.4	74.9		79.9	83.9	86.8	80.8	80.6	78.7		79.7	77.2
7		75.6	77.3		84.3	85.7		78.9	80.5	83.0	78.3	77.5
8	72.1	75.2	77.5	80.8	84.3	85.6	78.2	79.7		83.0	78.0	
9	72.3	74·7	77.1	81.5	84.4		79·2	80.5	81·6	83.3	77.5	79.7
10	74.8	76.7		82·0	84.8	81.1	81.2	80.6	80.4	84.6		77.9
11	76.1		78.2	81.8	84.9	83.1	83.1	80.8	80.9	84.5		77.1
12	74.3	78.3	77·8	81.4		79.6	83.8		82.0	84.2	77.8	77.5
13	72.9	77.5	77.2	81.1	85.5	79.3	83.8	79·7	81.5		77.8	75·2
14		75.9	78.5		85.2	83.3		80.0	82.1	83.8	77.5	76.0
15	71.1	76.1	78.8	82.4	84.9	84.4	80.5	80.4		83.3	77·1	
16	73.3	75.7	77.3	82.0	85.4		81.2	79.4	82.7	81.6	76.5	78.5
17	73.6	76.2		82.0	85.6	85.3	81.3	78.1	82.8	83.4		78·1
18	73.6		78.0	81.4	85.0	85.6	79·5		82.3	82.9	75·8	79.3
19	73.4		76.9	81.6		84.6	78.0	81.2	81.8	80.4	76.4	79.1
20	72.9	78.5	78·5	81.8	84.5	80.0	80.0	81·7	82.1		78.1	79.5
21		78.9	80.6		83.8	81.1		82.0	81.6	82.5	79.4	79.7
22	72.2	76.8	80.2	81.4	84.0	81.0	81.3	81.8		83.3	79.8	
23	67.9	76.1	81.1	82.1			81.3	81.2	81.7	84.7	79.6	78.3
24	71.5	75.3		81.9	85.4	84.7	81.8	82.2	81.5	85.0	79.4	
25	73.1	75.9	81.5	81.7	86.0	85.2	81.7	82.8	82.1	84.7		77.2
26	73.4		83.5	82.8	86.9	84.4	81.9		80.9	84.9	79.3	77.1
27	72.7	75.9	83.8	82.1		83.9·	81.8	83.2	82.2		78.5	77.1
28		76.4	81.6		86.3	82.6		81.8	81.2	84.0	76.8	77.2
29	70.9	78.4	80·7	82.8	86.3	78.8	81·2	81.7		83.3	76.7	
30	70.6		82·5	84.3	87.2		81.8	82.5	83.5	82.3	75·6	78.0
31	70·5				87.3			82.8		81.6		

TABLE XXII.—*Showing, for each Month, the Mean Temperature of Circumambient Air, and its Periodic Changes from the Mean of the Year.*

Months, 1860.	Mean Temperature of Circumambient Air.	Difference from the Mean of the Year.	FOR SEASONS.
January	72°3	− 7°7	Mean of {Jan., Feb., March, / Oct., Nov., Dec.} or Winter .... 77°7
February	75·6	− 4·4	
March	79·1	− 0·9	
April	81·7	1·7	Mean of {Apr., May, June, / July, Aug., Sept.} or Summer .... 82·4
May	85·2	5·2	
June	83·8	3·8	
July	80·9	0·9	Mean of the Year.... 80·0
August	81·2	1·2	
September	81·4	1·4	Greatest Monthly Mean in May..... 85·2
October	83·1	3·1	Least Monthly Mean in January ..... 72·3
November	78·5	− 1·6	
December	77·5	− 2·5	Difference.... 12·9

TABLE XXIII.—*Mean Temperature of Circumambient Air, in each Month, for each Hour of Göttingen Mean Time.*

Göttingen Mean Time.	MONTHS, 1860.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Noon.	79°3	80°8	83°6	85°9	89°3	87°0	82°3	84°0	84°6	87°3	84°7	83°6
1	76.7	79.2	82.9	83.8	87.6	85.9	81.6	82.6	83.2	85.8	81.9	80.6
2	74.4	76.3	80.2	82.1	85.7	84.4	80.7	81.2	82.1	83.8	80.3	78.9
3	73.4	75.7	79.1	81.1	84.2	83.4	80.4	80.5	80.6	82.5	79.5	78.0
4	72.7	75.1	78.4	80.6	83.7	82.9	80.3	80.1	80.4	82.4	78.8	77.4
5	71.7	74.5	77.5	80.1	83.4	82.7	80.1	79.9	80.2	81.8	77.3	76.3
6	70.4	73.8	77.2	79.8	83.1	82.6	80.1	79.9	79.7	81.3	76.0	75.0
7	69.5	73.1	76.9	79.5	82.7	82.0	80.0	79.6	79.4	80.8	75.0	74.4
8	68.9	72.6	76.7	79.2	82.4	81.8	79.9	79.5	79.4	80.5	74.6	74.1
9	68.5	72.4	76.0	78.9	82.0	81.4	79.8	79.4	79.3	80.2	74.1	73.8
10	67.9	72.1	75.7	78.6	81.8	81.4	79.7	79.4	79.3	80.1	73.8	73.4
11	67.5	71.8	75.0	78.1	81.5	81.3	79.6	79.2	79.2	80.0	73.3	73.0
12	67.0	71.3	74.5	77.7	81.2	81.0	79.5	79.0	79.0	79.8	73.0	72.7
13	66.5	70.7	74.0	77.3	81.0	80.8	79.6	78.9	78.8	79.5	72.7	72.0
14	66.0	70.3	73.5	77.1	81.3	81.0	79.4	78.8	78.6	79.3	72.4	71.7
15	66.9	70.4	74.6	79.3	83.8	81.8	79.7	79.3	79.5	80.5	73.2	72.4
16	69.1	73.3	77.8	81.6	85.4	83.2	80.7	80.2	80.9	82.1	75.6	74.9
17	71.7	76.0	80.3	83.7	86.7	84.6	81.5	81.8	82.1	83.5	78.1	77.1
18	73.6	78.2	82.0	84.7	87.9	86.1	82.2	82.7	83.1	84.9	80.4	79.3
19	75.9	79.5	83.3	85.6	88.9	86.8	82.8	83.4	83.9	86.2	82.9	81.4
20	78.1	80.7	84.0	86.3	89.5	87.0	83.1	84.2	84.6	87.5	85.4	83.9
21	79.4	81.7	84.9	86.7	90.0	87.4	83.4	84.5	85.1	88.2	87.0	85.9
22	80.0	81.9	85.3	86.7	90.3	87.7	83.1	84.9	85.4	88.7	87.2	86.3
23	79.8	81.7	85.2	86.4	90.1	87.1	82.7	85.0	85.3	88.5	86.4	85.4

TABLE XXIV.—*Excess of the Mean Hourly Temperature of Circumambient Air, above the Monthly Mean.*

Göttingen Mean Time.	MONTHS, 1860.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Noon.	7°0	4°7	4°5	4°2	3°9	3°2	1°3	2°8	3°2	4°2	6°2	6°1
1	4.4	3.6	3.8	3.1	2.4	2·1	0.7	1.5	1.8	2.7	3.4	3.0
2	2·1	0.7	1.1	0.4	0.5	0.6	- 0.2	0.1	0.7	0.7	1.8	1.3
3	1.1	0.1	0.0	- 0.6	- 0.9	- 0.4	- 0·5	- 0.6	- 0·8	- 0.6	1.1	0.5
4	0.4	- 0.4	- 0.7	- 1.1	- 1.5	- 0.9	- 0.6	- 1.1	- 1.1	- 0.8	0.3	- 0.1
5	- 0.6	- 1.1	- 1.6	- 1.6	- 1.8	- 1.1	- 0.8	- 1.3	- 1.3	- 1.3	1.2	- 1.2
6	- 1.9	- 1.7	- 1.9	- 1.9	- 2.1	- 1.2	- 0.8	- 1.3	- 1.7	- 1.8	2.5	- 2.5
7	- 2.8	- 2.5	- 2.2	- 2.2	- 2.6	- 1.8	- 0.9	- 1.5	- 2.0	- 2.3	3.5	- 3.1
8	- 3.4	- 3.0	- 2.4	- 2.5	- 2.8	- 2.0	- 1.0	- 1.7	- 2.0	- 2.6	3·9	- 3.4
9	- 3.8	- 3.2	- 3.1	- 2.8	- 3.1	- 2.4	- 1.1	- 1.8	- 2.1	- 2.9	4.4	- 3.7
10	- 4.4	- 3.5	- 3.4	- 3.1	- 3.4	- 2.4	- 1.2	- 1.8	- 2.1	- 3.0	4.7	- 4.1
11	- 4.8	- 3.8	- 4.2	- 3.4	- 3.7	- 2.5	- 1.3	- 1.9	- 2.2	- 3.1	5.2	- 4.5
12	- 5.3	- 4.3	- 4.6	- 4.0	- 4.0	- 2.8	- 1.4	- 2.2	- 2.4	- 3.3	5.5	- 4.8
13	- 5.8	- 4.9	- 5.1	- 4.4	- 4.1	- 3.0	- 1.3	- 2.3	- 2.6	- 3.6	5.8	- 5.6
14	- 6.3	- 5.3	- 5.6	- 4.6	- 3.9	- 2.8	- 1.5	- 2.4	- 2.8	- 3.8	6·1	- 5.8
15	- 5.4	- 5·2	- 4.5	- 2.4	- 1.4	- 2.0	- 1.2	- 1.8	- 1.8	- 2.6	5.3	- 5.1
16	- 3.2	- 2.3	- 1.3	- 0.1	0.2	- 0.6	- 0.2	- 1.0	- 0.5	- 1.0	- 2.9	- 2.7
17	- 0.5	0.4	1.2	2.0	1.6	0.8	0.6	0.6	0.7	0.4	0.4	0.5
18	1.4	2.6	2.8	3.0	2.7	2.3	1.3	1.5	1.7	1.8	2.0	1.7
19	3.6	3.9	4.2	3.9	3.7	3.0	1.8	2.3	2.4	3·1	4.4	3·8
20	5.8	5.1	4.9	4.6	4.4	3.2	2.2	3.1	3.2	4.4	6.9	6.4
21	7.2	6.2	5·8	5.0	4.8	3.6	2.5	3.2	3.7	5.1	8.5	8.4
22	7.7	6.3	6.2	5.0	5.1	3.9	2.2	3.7	4.0	5.6	8.7	8.7
23	7·5	6.1	6.1	4.7	4.9	3.3	1.8	3.8	3.9	5.4	7.9	7.9

TABLE XXV.—*Showing, for the Year* 1860, *the Mean Temperature of Circumambient Air, for each Hour of Göttingen Mean Time, and also its Diurnal Changes from the Mean of the Year.*

Göttingen Mean Time.	Bombay Civil Time.	Mean Temperature of Circumambient Air.	Difference from the Mean of the Whole.
	H. M.		
Noon.	4 12 P. M.	84°4	4°4
1	5 12 „	82·6	2·6
2	6 12 „	80·8	0·8
3	7 12 „	79·9	− 0·1
4	8 12 „	79·4	− 0·6
5	9 12 „	78·8	− 1·2
6	10 12 „	78·2	− 1·8
7	11 12 „	77·7	− 2·3
8	0 12 A. M.	77·5	− 2·5
9	1 12 „	77·1	− 2·9
10	2 12 „	76·9	− 3·1
11	3 12 „	76·6	− 3·4
12	4 12 „	76·3	− 3·7
13	5 12 „	76·0	− 4·0
14	6 12 „	75·8	− 4·2
15	7 12 „	76·8	− 3·2
16	8 12 „	78·7	− 1·3
17	9 12 „	80·6	0·6
18	10 12 „	82·1	2·1
19	11 12 „	83·4	3·4
20	0 12 P. M.	84·5	4·5
21	1 12 „	85·3	5·3
22	2 12 „	85·6	5·6
23	3 12 „	85·3	5·3

FOR DAY AND NIGHT.

Mean of { 2, 3, 4, 5, 6, 7, / 8, 9, 10, 11, 12, 13, } or Night .... 77°9

Mean of { 14, 15, 16, 17, 18, 19, / 20, 21, 22, 23, 0, 1, } or Day:..... 82·1

Mean Annual ..... 80·0

TIMES OF MEAN MAXIMUM AND MINIMUM.

	G. M. T.	B. C. T.
A Maximum at	22 or 3 P. M.	
A Minimum at	14 or 6 A. M.	

TABLE XXVI.—*Showing, for the Year* 1860, *the Hours of Göttingen Mean Time at which the Mean Hourly Temperature of Circumambient Air, in each Month, was at its Maximum and Minimum.*

Months, 1860.	The Mean Hourly Temperature of Circumambient Air.		Mean Diurnal Range.	The Time at which the Mean Hourly Temperature of Circumambient Air was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
				H.	H.
January	80°0	66°0	14°0	22	14
February	81·9	70·3	11·6	22	14
March	85·3	73·5	11·8	22	14
April	86·7	77·1	9·6	21 and 22	14
May	90·3	81.0	9·3	22	13
June	87·7	80·8	6.9	22	13
July	83·4	79·4	4·0	21	14
August	85·0	78·8	6·2	23	14
September	85·4	78·6	6·8	22	14
October	88·7	79·3	9·4	22	14
November	87·2	72·4	14·8	22	14
December	86·3	71·7	14·6	22	14

TABLE XXVII.—*Mean Value of Absolute Horizontal Intensity, corrected for the Effects of Circumambient Air, for each day of Göttingen Mean Time.*

Date, 1860.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.
1		8.0496	8.0455	8.0379	8.0358	8.0417	8.0239*	8.0567		8.0270	8.0376	
2	8.0475	.0490	.0463	.0364	.0358		.0349	.0494	8.0402	.0300	.0285	8.0524
3	.0464	.0457		.0302	.0438	.0514	.0373	.0504	.0447	.0216		.0516
4	.0453		.0471	.0351	.0455	.0440	.0315*		.0410	.0229	.0351	.0501
5	.0458	.0472	.0478			.0432	.0299*	.0500	.0399	.0300	.0341	.0490
6	.0414	.0516		.0417	.0278	·0461	.0446	.0455*	.0233*		.0405	.0496
7		·0504	.0523		.0358	.0450		.0181*	·0160*	.0366	.0449	.0499
8	.0456	.0529	.0377*	.0398	.0399	.0458	.0528	.0211*		.0380	.0463	
9	.0460	.0533	.0432	.0149*	·0328		.0519	.0294*	.0316	.0373	.0459	.0436
10	·0471	.0482		.0274	.0322	.0470	.0535	.0296*	.0350	.0356		.0259*
11	.0266		.0480	.0293	.0271	.0384	.0545	.0323*	.0374	.0364		.0315
12	·0378	.0353	.0349*	.0249		.0469	.0398*		.0362	.0361	.0506	.0375
13	.0417	.0402	.0399	.0243	.0347	.0512	.0427	.0264*	.0393		.0505	.0447
14		.0466	.0378		·0366	.0473		.0408	.0392	.0409	.0491	.0453
15	.0488	.0460	.0395	.0308	.0403	.0478	.0527	.0413		.0403	.0474	
16	.0402	.0513	.0451	.0298	.0426		.0529	.0337	.0280	.0442	.0478	.0299
17	.0426	·0379		.0356	·0395	.0424	.0482	·0401	.0329	.0353		.0340
18	·0434		.0309	.0335	.0398	.0406	.0525		.0358	.0394	.0511	.0346
19	.0431		.0368	.0331		.0424	.0543	.0391	.0354	·0459	.0520	.0395
20	.0401	.0417	·0420	.0346	.0401	·0528	.0510	.0422	·0328		.0494	.0390
21		·0237*	.0342		.0408	.0478		·0416	.0378	.0410	.0478	.0380
22	.0408	·0308*	.0348	.0414	.0457	.0521	·0508	.0392		.0406	.0492	
23	.0434	.0417	.0352	.0387			.0511	.0409	.0412	.0386	.0374	.0418
24	.0466	.0484		.0400	.0302	.0463	.0494	.0384	.0437	.0402	.0421	
25	·0403	·0492	.0394.	.0456	.0379	.0461	.0538	.0429	.0385	.0374		.0422
26	.0414		.0367	.0356	.0390	.0581	.0528		.0358	.0340	.0436	.0406
27	.0449	·0509	.0281	·0410		.0507	.0506	.0417	.0411		.0435	.0443
28		.0468	7.9913*		.0442	.0480		.0453	.0424	.0326	.0464	.0441
29	.0462	.0495	8.0012*	·0476	.0450	.0466	.0514	.0457		.0243	.0471	
30	.0473		.0224	.0357	.0478		.0514	.0393	·0419	.0270	.0477	.0420
31	.0484				.0551			·0385		.0346		

* This sign denotes an Abnormal day, or the day on which a Magnetic Disturbance occurred.

TABLE XXVIII.—*Showing, for each Month, the Mean Value of Horizontal Intensity, corrected for the Effects of Circumambient Air, and its Periodic Changes from the Mean of the Year.*

Months, 1860.	Mean Value of Horizontal Intensity.	Difference from the Mean of the Year.	FOR SEASONS.
	En. Un.	En. Un.	En. Un.
January	8·0435	0·0015	Mean of { Jan., Feb., March, / Oct., Nov., Dec. } or Winter.. 8·0421
February.....	·0470	·0050	
March	·0396	– ·0024	
April	·0355	– ·0065	Mean of { April, May, June, / July, Aug., Sept. } or Summer... 8·0419
May.....	·0386	– ·0034	
June.....	·0466	·0046	
July.....	·0498	·0078	Mean of Year..... 8·0420
August.....	·0430	·0010	
September	·0380	– ·0040	Greatest Monthly Mean in July ..... 8·0498
October	·0355	– ·0065	Least Monthly Mean in April ..... 8·0355
November	·0446	·0026	
December	·0427	·0007	Difference.... 0·0143

TABLE XXIX.—*Mean Value of Horizontal Intensity, corrected for the Effects of Circumambient Air, in each Month, for each Hour of Göttingen Mean Time.*

Göttingen Mean Time.	MONTHS, 1860.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.
Noon.	8.0353	8.0395	8.0335	8·0281	8.0321	8.0422	8.0456	8.0397	8.0327	8.0280	8.0355	8.0327
1	.0383	·0396	.0316	.0287	·0320	.0412	·0443	.0391	.0336	.0285	.0376	.0361
2	.0375	.0422	.0331	.0295	.0319	.0408	.0445	.0396	.0341	.0316	.0375	.0376
3	.0366	.0401	.0312	.0296	.0327	.0415	.0443	.0381	.0342	.0288	.0371	.0367
4	.0359	.0398	.0318	.0303	.0328	.0420	.0442	.0374	.0336	.0283	.0364	.0365
5	.0359	.0399	.0336	.0314	.0321	.0426	.0436	.0383	.0338	·0295	.0383	.0375
6	.0379	.0412	.0347	.0319	.0341	.0431	.0444	.0383	.0349	.0311	·0409	.0411
7	·0400	0431	.0351	.0322	.0351	·0440	.0454	·0388	.0353	.0328	.0432	.0427
8	·0421	.0445	.0379	.0334	.0375	.0438	.0459	.0392	.0356	·0334	.0457	.0438
9	.0438	.0458	.0385	.0341	.0384	.0445	·0456	.0394	.0363	.0350	.0464	.0446
10	.0455	.0465	.0385	.0347	.0383	.0446	.0458	.0397	·0374	.0353	.0478	·0455
11	.0465	.0472	.0410	.0362	.0393	.0447	.0463	.0405	.0377	.0354	·0483	.0467
12	.0472	.0487	.0431	.0368	.0396	.0452	.0477	.0404	.0378	·0358	.0489	.0467
13	.0486	.0502	.0417	·0370	.0406	.0456	.0486	.0416	.0380	.0370	.0498	.0484
14	.0506	.0521	.0427	·0375	.0398	.0470	.0502	.0423	.0375	.0379	.0512	.0495
15	.0489	.0528	·0429	.0363	.0406	·0481	.0511	.0425	.0358	·0355	.0506	.0484
16	.0492	.0529	.0443	.0403	.0429	.0522	.0544	.0461	.0382	.0387	.0505	.0473
17	.0503	.0542	.0485	.0445	.0475	.0551	·0583	.0498	.0431	.0433	.0538	.0484
18	.0534	·0566	.0520	.0469	.0501	.0558	.0618	.0532	.0468	.0466	.0544	.0504
19	.0514	.0571	.0525	.0468	.0488	·0586	.0625	.0535	.0481	.0473	.0529	.0488
20	.0484	.0552	.0501	.0425	.0455	.0554	.0620	.0528	.0473	·0433	.0473	.0454
21	·0441	.0507	.0452	.0387	.0428	.0512	.0578	.0509	.0437	.0377	.0416	.0391
22	.0401	·0460	.0397	.0345	.0385	.0472	.0535	.0468	.0396	.0331	.0369	.0357
23	.0383	.0416	.0319	.0302	.0344	.0442	.0486	.0432	.0359	.0298	.0349	.0303

TABLE XXX.—*Showing, for the Year* 1860, *the Mean Value of Horizontal Intensity, corrected for the Effects of Circumambient Air, for each Hour of Göttingen Mean Time; and also its Diurnal Changes from the Mean of the Year.*

Göttingen Mean Time.	Bombay Civil Time.	Mean Value of Horizontal Intensity.	Difference from the Mean of the Whole.
	H. M.	En. Un.	En. Un
Noon.	4 12 P. M.	8·0354	−0·0066
1	5 12 ,,	·0360	− .0060
2	6 12 ,,	·0367	−..0053
3	7 12 ,,	·0359	− .0061
4	8 12 ,,	·0357	− .0063
5	9 12 ,,	·0362	− ·0058
6	10 12 ,,	·0379	− ·0041
7	11 12 ,,	·0390	− ·0030
8	0 12 A. M.	·0401	− ·0019
9	1 12 ,,	·0411	− ·0009
10	2 12 ,,	·0418	− ·0002
11	3 12 ,,	·0425	·0005
12	4 12 ,,	·0432	·0012
13	5 12 ,,	·0439	·0019
14	6 12 ,,	·0448	·0028
15	7 12 ,,	·0444	·0024
16	8 12 ,,	·0464	·0044
17	9 12 ,,	·0598	·0078
18	10 12 ,,	·0522	·0102
19	11 12 ,,	·0528	·0108
20	0 12 P. M.	·0496	·0076
21	1 12 ,,	·0454	·0034
22	2 12 ,,	·0410	− ·0010
23	3 12 ,,	·0370	− ·0050

FOR DAY AND NIGHT.

	En. Un.
Mean of {2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13,} or Night	8·0396
Mean of {14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 0, 1,} or Day	8·0445
Mean Annual	8·0420

TIMES OF MEAN MAXIMUM AND MINIMUM.

	G. M. T.	B. C. T.
A Maximum at	2 or	6 P. M.
A Minimum at	4 or	8 P. M.
A Maximum at	14 or	6 A. M.
A Minimum at	15 or	7 A. M.
A Maximum at	19 or	11 A. M.
A Minimum at	24 or	4 P. M.

TABLE XXXI.—*Showing, for the Year* 1860, *the Hours of Göttingen Mean Time, about which the Mean Value of Horizontal Intensity, corrected for the Effects of Circumambient Air, in each Month, was at its Diurnal Maximum and Minimum.*

Months, 1860.	The Mean Horizontal Intensity corrected for Circumambient Air.						Mean Diurnal Range.	The Time at which the Mean Horizontal Intensity was at its					
	1st Evening Minimum.	1st Evening Maximum.	2nd Evening Minimum.	Morning Maximum.	Morning Minimum.	Mid-day Maximum.		1st Evening Minimum.	1st Evening Maximum.	2nd Evening Minimum.	Morning Maximum.	Morning Minimum.	Mid-day Maximum.
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	H	H	H	H	H	H
January	8·0358	8·0383	8·0359	8·0506	8·0489	8·0534	·0176	0	1	5	14	15	18
February	·0395	·0422	·0398			·0571	·0176	0	2	4			19
March	·0319	·0335	·0312	·0431	·0417	·0525	·0213	23	0	3	12	13	19
April	·0281			·0375	·0363	·0469	·0188	0			14	15	18
May	·0319	·0328	·0321	·0406	·0398	·0501	·0182	2	4	5	13	14	18
June	·0408					·0586	·0178	2					19
July	·0443	·0445	·0436			·0625	·0189	1	2	5			19
August	·0391	·0396	·0374			·0555	·0161	1	2	4			19
September	·0327	·0342	·0336	·0380	·0358	·0481	·0154	0	3	4	13	15	19
October	·0280	·0316	·0283	·0379	·0355	·0473	·0193	0	2	4	14	15	19
November	·0349	·0376	·0364	·0572	·0505	·0544	·0195	23	1	4	14	16	18
December	·0303	·0376	·0365	·0495	·0473	·0504	·0201	23	2	4	14	16	18

TABLE XXXII.—*Daily Range of Horizontal Intensity, as obtained from the Scale Reading of the Large Horizontal Force Magnetometer; for each day of Göttingen Mean Time.*

Date, 1860.	January.	February	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.
1		0.0221	0.0317	0.0402	0·0266	0.0226	0.0554	0.0176		0.0288	0.0311	
2	0.0272	.0269	.0352	.0287	·0249		.0289	.0323	0.0188	.0301	.0384	0·0246
3	.0254	.0220		.0402	.0381	.0241	.0425	.0320	.0167	.0387		.0248
4	.0216		.0254	0.371	.0405	·0164	.0218		.0245	.0255	.0216	·0210
5	.0273	·0349	.0289			.0249	.0551	.0220	.0339	.0385	.0268	.0197
6	.0225	.0239		.0333	·0402	.0199	.0346	.0744	.0585		.0269	.0217
7		.0205	.0399		.0299	.0245		.0698	.0614	.0261	.0247	.0184
8	·0231	.0288	.0452	.0312	.0282	.0327	.0215	.0509		.0185	.0230	
9	.0250	.0321	.0286	.0403	.0108		.0225	.0443	·0183	.0254	.0238	.0411
10	.0364	.0333		.0395	.0210	.0166	.0218	.0536	.0288	.0210		.0388
11	.0296		.0347	.0269	.0221	.0382	.0349	.0460	.0208	.0222		.0449
12	.0275	.0427	.0509	.0222		.0181	·0342		.0204	·0227	.0231	.0184
13	.0232	.0300	.0335	.0240	.0275	.0218	.0249	.0517	.0256		.0282	.0245
14		.0169	.0325		.0236	.0253		·0294	.0213	.0328	.0228	.0245
15	.0813	.0338	.0202	.0248	.0265	.0214	.0185	.0259		.0293	.0285	
16	.0333	.0160	.0263	.0312	.0331		.0239	.0359	.0285	.0312	.0360	.0258
17	·0264	.0384		.0317	.0239	.0225	.0190	·0185	.0287	.0298		.0201
18	.0183		.0414	.0290	.0197	.0279	.0325		.0269	.0273	.0263	.0230
19	.0182		.0411	.0253		.0228	.0237	.0344	·0172	.0272	.0254	.0214
20	·0192	.0236	.0307	.0323	.0370	.0280	.0275	.0324	.0339		.0255	·0199
21		.0370	·0400		·0215	.0235		·0230	.0272	.0307	.0246	.0170
22	.0209	.0321	.0376	.0291	.0316	·0390	.0256	.0255		.0323	.0278	
23	.0251	.0215	.0321	.0250			.0228	.0219	.0269	·0360	.0236	.0197
24	.0258	.0300		.0202	.0368	.0310	.0280	.0223	.0357	.0273	·0215	
25	.0355	.0318	.0338	.0283	·0263	.0355	.0299	.0243	.0203	.0251		.0183
26	.0255		.0417	.0277	.0269	.0437	.0256		.0263	.0267	.0298	.0248
27	.0322	.0331	.0897	.0255		.0269	.0192	.0225	.0368		.0279	.0243
28		.0289	.0479		.0333	.0311		.0230	.0225	·0280	.0274	.0218
29	.0304	.0309	.0827	.0333	.0248	.0464	.0224	.0214		.0400	.0272	
30	.0277		.0405	.0280	.0260		.0315	.0305	.0387	·0281	.0345	.0176
31	.0233				.0233			·0241		.0306		

TABLE XXXIII.—*Showing, for the Year* 1860, *the Hours of Göttingen Mean Time, at which the Value of Horizontal Intensity, corrected for Instrumental Errors, in simple Hourly Observations in each Month, was Greatest and Least.*

Months. 1860.	The Value of Horizontal Intensity corrected.		Mean Diurnal Range.	The Time at which the Value of Horizontal Intensity was			
	Greatest.	Least.		Greatest.		Least.	
	En. Un.	En. Un.	En. Un.	D.	H.	D.	H.
January	8·0625	8·0030	0·0595	10	18	11	5
February	·0658	·0039	·0619	9	18 & 19	21	7
March	·0743	7·9522	·1212	7	18	19	4
April	·0728	·9955	·0773	29	18	9	6
May	·0772	8·0139	·0633	3	19	6	4
June	·0912	·0253	·0659	26	20	11	2
July	·0808	7·9933	·0875	11	20	1	0
August	·0801	·9744	·1057	6	17	7	2
September	·0718	·9840	·0878	30	19	6	21
October	·0715	8·0015	·0700	14	19	3	3
November	·0677	·0129	·0548	22	19	2	7
December	·0642	·0044	·0598	9	20	11	1

TABLE XXXIV.—*Mean Value of Calculated Dip, corrected for Instrumental Errors, for each Day of Göttingen Mean Time.*

Date, 1860.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1		19°18′7	19°05′8	19°06′4	19°03′5	19°08′9	19°12′3*	19°05′5		19°09′2	19°00′6	
2	19°16′3	.16.4	.05.2	.07.5	.03.5		.10.4	.07·0	19°09′8	.08.7	.02.7	19°9′3
3	.14·6	.15.4		.08.8	.02.8	.08.2	·07.9	.06.8	.09.1	.09.9		.7.7
4	.13.8		.05.5	.07.5	.04.1	.09.6	.07.5*		.09·9	.09.5	.04.1	.6.6
5	.13.2	.13.6	.06.6			.09.9	.08.1*	.05.6	.10.4	.07.8	.05.1	.6.3
6	.13.1	.10.0		.07.8	.08.2	.09·2	.07.7	.07.2*	.13.0*		.05.4	.4.9
7		.08.7	.04.8		.07.6	.09.7		.11.8*	.13.7*	.05.5	.06.6	.4.2
8	.10.3	.07.0	.07·2*	.08.4	.06.7	.10.0	.09.7	.11.1*		.05.6	.08.6	
9	.09.2	·05.9	.06.8	.11.0*	.06.9		.08.6	.09.0*	.11.0	.09.2	.09.4	.4.3
10	.08.0	.06.6		.08.5	.06.1	.11.5	.08.2	.06.0*	.11.1	.07.8		.9.0*
11	.12.1		.05.2	.04.5	.07.3	.11.2	.05·6	.05.1*	.10·9	.03.2		.8.9
12	.09.9	.08.5	.10.4*	.05.1		.11.0	.06.9*		.10.7	.01.4	.10.1	.8.1
13	.19.8	.09.4	.10.9	.04.4	.07.2	.09.8	.05.5	.07.4*	.10.5		.10.9	.6.8
14		.08.0	.10·3		.07.3	.07.4		.05·9	.10.2	.02.1	·11.3	.4.6
15	.17.8	.06.7	.09.5	.02.6	.07.5	.05.4	.06.0	.05.3		.01.4	.12.2	
16	.17.0	.04.8	.08.2	.02.5	.06.8		.07·1	.07.5	.11.4	.01.3	.10.8	.4.1
17	.15.3	·05.9		.00.1	.07.0	.04.1	.08.3	.08.2	.10.5	.01.0		.2.8
18	.13.5		.10.6	18.59.1	.08.2	.03.8	.08.3		.09.9	.00.4	.09.7	.2.6
19	.12.2		.09.9	19.02.4		.06.1	·09.7	.07.9	.09.2	.00.3	.11.3	.1.7
20	.11.9	.03·8	.08.1	.05.9	.11.2	.08.5	.07.9	.08.4	.09.1		.11.0	.2.1
21		.05.8*	.08.5		.12.2	.10.4		.08.2	.08.6	18.59.4	.10·7	.6.9
22	.12.3	.05.3*	.08·0	.06.5	.12.9	.10.5	.06.1	.09.6		19.04.2	.10.1	
23	.14.8	.04.5	.09.9	.07.4			.05.1	.09.8	.07.7	.02.4	·10.3	.5.4
24	.12.2	.05.4		.07.1	.14.3	.08.9	.04.6	.09·6	.07.2	.00.3	.09.3	
25	.11.9	.05.7	.07.7	.06.8	.13.0	.07.6	.03.9	.08.5	.07.3	.00.0		.3.3
26	.11.8		.07.6	.06.4	.12.5	.07.5	.03.7		.08.1	18.59.5	.08.5	.2.7
27	.14.5	.04.9	.05.7	·05.2		.09.8	.04.1	.08.5	.07.3		.07.5	.3.7
28		.03.6	.11.0*		.10.1	.11.0		.08.0	.07.5	.59.1	.08.0	.3.2
29	.15.3	.03.5	.10.5*	.04.1	.09.4	.10.2	.05.4	.07.7		.59.4	.08.4	
30	.15.5		.07.2	.04.9	.09.7		.05.5	.09.2	.07.5	19.00·4	.10.0	.7.3
31	.20.1				.08.2			.09.3		.00.5		

* This sign denotes Abnormal days, or the days on which any Disturbance has taken place.

TABLE XXXV.—*Showing, for each Month, the Mean Value of Calculated Dip, and its Periodic Changes from the Mean of the Year.*

Months, 1860.	Mean Value of Calculated Dip.	Difference from the Mean of the Year.	FOR SEASONS.
January	19°13'7	0°05'9	Mean of { Jan., Feb., March, / Oct., Nov., Dec. } or Winter .... 19°07'9
February	·08·0	·00·2	
March	·07·7	− ·00·1	
April.....	·05·0	− ·02·8	Mean of { April, May, June, / July, Aug., Sept. } or Summer .. 19·07·6
May.....	·08·2	·00·4	
June.....	·08·8	·01·0	
July.....	·06·8	− ·01·0	Mean of the Year..... 19·07·8
August.....	·07·8	·00·0	
September	·09·3	·01·5	Greatest Monthly Mean in January ..... 19·13·7
October	·03·4	− ·04·4	Least Monthly Mean in October ..... 19·03·4
November	·08·5	·00·7	
December.....	·06·1	− ·01·7	Difference..... 0·10·3

TABLE XXXVI.—*Mean Value of Calculated Dip, corrected for Instrumental Error, in each Month, for each Hour of Göttingen Mean Time.*

Göttingen Mean Time.	MONTHS, 1860.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Noon.	19°11'1	19°07'6	19°07'2	19°05'3	19°08'2	19°08'8	19°06'9	19°07'7	19°09'5	19°03'3	19°06'8	19°05'3
1	.11.7	.07.4	·07.2	.05.3	.08.6	.09.2	·07.4	.07.9	·09.7	.03.6	·07.2	.05.7
2	.12.8	.07.9	·09.0	.05.3	.08.8	·09.2	.07.3	.08.1	·09.7	.04.2	·08·0	.06.4
3	.13.9	.08.7	·08.5	.05.8	.08.9	·09.1	.07.3	.08.4	.09.8	.04.8	.08.6	·07.0
4	.14.1	·09.1	.08.8	.06.1	·09·2	.09.5	.07.5	.08.5	.10.0	.04.8	.08.9	.07.1
5	.14.4	.09.0	.08.9	.06.1	·09.3	.09.6	.07.5	.08.4	.10.0	.04.7	.09.4	.07.2
6	.14.6	.09.1	·08.9	.06.4	.09·4	.09.8	.07.4	.08.4	.10.0	.04 8	.07.6	.06.9
7	.14.9	.09.4	.09.0	.06.4	·09.5	.10·0	·07.4	.08.5	.10.0	.04.7	.09.9	.06.4
8	.15.2	.09.5	.09.0	·06.4	·09.4	·10.1	.07.6	.08.5	.10.0	.04.9	.09.8	.06.7
9	.15.2	.09.4	.08.8	.06.4	·09.3	·10.0	·07.7	.08.5	.09.9	.04,8	.09.9	.06.9
10	.15.0	.09.4	·08.9	.06.4	·09·5	.10.2	·07.9	.08.6	·09.8	.04.6	.10.0	.07.0
11	·15.2	.09.5	.08·8	.06.4	·09.5	.10.2	.07.8	.08.4	.09.8	.04.6	.10.1	.07.0
12	.15.2	.09.2	·08.9	.06·5	·09.6	.10.3	.07.7	.08.4	.09.8	.04.5	.10.1	.07.1
13	.15.4	.09.4	.09.1	.06.8	.10.1	·10.5	.07·6	.08.4	.09.8	.04.2	.10·0	.07.0
14	.15.6	.09.2	.09.3	.07.1	.10.5	.11.1	·07.6	.08.4	.10·0	.04.4	.09.8	.07.1
15	.15.7	.09.2	.09.4	.06.7	·09.8	·10.7	.07.4	·08.3	.10.0	.04.5	.09.9	.07.1
16	·15.6	.09.4	·08.5	.04.6	·07.9	·09.1	.06.6	.07.6	·09.4	.03.6	.09.4	.06.8
17	.14.4	.08.2	.06.5	.01.7	·06.8	.07.3	·05.7	.06.8	.08.5	.01.4	.08.3	.05.7
18	.11.9	.06.5	.04.6	.00.5	.04.3	.05.9	.04.9	·06.1	.07.8	.00.1	.06·7	.04·0
19	.12.3	.05.0	.03.5	·01.6	·03.7	.04.9	·04.5	.05.9	.07.5	18.59.5	.05.9	.03.6
20	.11.2	.04.7	.03·9	.01.9	·04.4	.05.2	.04.5	.06.0	.07.5	19.00.7	.06.0	.03.9
21	.11.4	.05.5	.04·8	.01.9	·05.5	.06.3	·04.6	.06.2	.08.0	.01.1	.06.3	.04.3
22	.11.3	.05.8	.05·9	·03.9	.06.5	.07·0	.05.6	·06.7	.08.5	.01.5	.06.5	.04.8
23	.12.0	.06.0	.07.5	.04.8	·07.8	.08.1	.06.4	.07.2	.09.0	.02.9	.06.7	.05·1

TABLE XXXVII.—*Showing, for the Year* 1860, *the Mean Value of Calculated Dip, corrected for Instrumental Errors, for each Hour of Göttingen Mean Time; and also its Diurnal Changes from the Mean of the Year.*

Göttingen Mean Time.	Bombay Civil Time.	Mean Value of Calculated Dip.	Difference from the Mean of the Whole.	FOR DAY AND NIGHT.
	H. M.			
Noon.	4 12 A. M.	19°7′3	−0°0′5	
1	5 12 „	·7·6	− ·0·2	
2	6 12 „	·8·1	·0·3	
3	7 12 „	·8·4	·0·6	
4	8 12 „	·8·6	·0·8	
5	9 12 „	·8·7	·0·9	Mean of {2, 3, 4, 5, 6, 7, / 8, 9, 10, 11, 12, 13,} or Night.... 19°8′7
6	10 12 „	·8·8	·1·0	
7	11 12 „	·8·8	·1·0	
8	0 12 A. M.	·8·9	·1·1	Mean of {14, 15, 16, 17, 18, 19, / 20, 21, 22, 23, 0, 1,} or Day..... 19·6·8
9	1 12 „	·8·9	·1·1	
10	2 12 „	·8·9	·1·1	Mean Annual..... 19·7·8
11	3 12 „	·8·9	·1·1	
12	4 12 „	·8·9	·1·1	
13	5 12 „	·9·0	·1·2	
14	6 12 „	·9·2	·1·4	
15	7 12 „	·9·1	·1·3	TIMES OF MEAN MAXIMUM AND MINIMUM.
16	8 12 „	·8·2	·0·4	
17	9 12 „	·6·7	− ·1·1	G. M. T. B. C. T.
18	10 12 „	·5·3·	− ·2·5	A Maximum at 14 or 6 A. M.
19	11 12 „	·4·8	− ·3·0	A Minimum at 19 or 11 A. M.
20	0 12 P. M.	·5·0	− ·2·8	
21	1 12 „	·5·5	− ·2·3	
22	2 12 „	·6·2	− ·1·6	
23	3 12 „	·7·0	− ·0·8	

TABLE XXXVIII.—*Excess of the Hourly Mean Values of Calculated Dip, above the Monthly Mean.*

Göttingen Mean Time.	MONTHS, 1860.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Noon.	−0°2′6	−0°0′4	−0°0′5	−0°0′3	0°0′0	0°0′0	0°0′1	−0°0′1	0°0′2	−0°0′1	−0°1′7	−0°0′8
1	− .2.0	− .0.6	− .0.5	.0.3	.0.4	.0.4	.0.6	.0.1	.0.4	.0.2	− .1.3	− .0.4
2	− .0.9	− .0.1	.1.3	.0.3	.0.6	.0.4	.0.5	.0·3	.0.4	.0.8	− .0.5	.0.3
3	.0.2	.0.7	.0.8	.0.8	.0.7	.0.3	.0.5	.0.6	.0.5	.1·4	.0.1	.0.9
4	·0.4	.1.1	.1·1	.1.1	.1.0	.0.7	.0.7	.0.7	.0·7	.1.4	.0.4	.1.0
5	.0.7	.1.0	.1.2	.1.1	.1.1	.0.8	.0.7	·0.6	.0.7	.1.3	.0.9	.1.1
6	.0.9	.1.1	.1.2	·1.4	.1.2	.1.0	.0.6	.0.6	.0.7	.1.4	.0.8	·0.8
7	.1.2	.1.4	.1.3	.1.4	.1.3	.1.2	.0.6	·0.7	.0.8	.1.3	.1.4	.0.3
8	.1.5	.1.5	.1.3	.1.4	.1.2	.1.3	.0.8	.0.7	.0.7	.1.5	.1.3	.0.6
9	.1.5	.1.4	.1.1	.1.4	.1.1	.1.2	.0.9	.0·7	.0.6	.1.4	.1.4	.0.8
10	.1.3	.1.4	.1.2	.1.4	.1·3	.1.4	.1.1	.0.8	.0.5	.1.2	.1.5	.0.9
11	.1.5	.1.5	.1.1	.1.4	.1.3	.1.4	.1.0	.0.6	.0.5	.1.2	.1.6	.0.9
12	.1.5	.1.2	.1.2	.1 5	.1.4	.1.5	.0.9	.0.6	.0.5	.1.1	.1·6	.1.0
13	.1.7	.1.4	.1.4	.1.8	.1.9	.1.7	.0.8	.0.6	.0.5	.0.8	.1.5	.0.9
14	.1.9	.1·2	.1.6	.2.1	.2.3	.2.3	.0.8	.0.6	.0.7	.1.0	.1.3	.1.0
15	.2.0	.1.2	·1.7	.1.7	.1.6	.1.9	.0.6	.0.5	.0.7	.1.1	.1.4	.1.0
16	.1.9	.1·4	.0.8	− .1.4	− .0.3	.0.3	− .0.2	− .0.2	.0.1	.0.2	.0.9	.0.7
17	.0.7	.0.2	− .1.2	− .3.3	− .2.4	− .1.5	− .1.1	− .1.0	− .0.8	− .2.0	− .0.2	− .0.4
18	− .1.8	− .1.5	− .3.1	− .4.5	− .3.9	− .2.9	− .1.9	− .1.7	− .1.5	− .3.3	− .1.8	− .2.1
19	− .1.4	− .3.0	− .4.2	− .3.4	− .4.5	− .3.9	− .2.3	− .1.9	− .1.8	− .3.9	− .2.6	− .2.5
20	− .2.6	− .3.3	− .3.8	− .3.1	− .3.8	− .3.6	− .2.3	− .1.8	− .1.8	− .2.7	− .2.5	− ·2.2
21	− .2.3	− ·2.5	− .2.9	− .3.1	− .2.7	− .2.5	− ·2.2	− .1.6	− .1.3	− .2.3	− .2.2	− .1.8
22	− .2.4	− .2·2	− .1.8	− .1.1	− .1.7	− .1.8	− .1.2	− .1.1	− .0.8	− .1.9	− .2.0	− .1.3
23	− .1.7	− .2.0	− .0.2	− .0.2	− .0.4	− .0.7	− .0.4	− .0.6	− .0.3	− .0.5	− .1.8	− .1.0

TABLE XXXIX.—*Showing, for the Year* 1860, *the Hours of Göttingen Mean Time, at which the Mean Hourly Value of Calculated Dip, corrected in each Month, was at its Maximum and Minimum.*

Months, 1860.	The Mean Hourly Value of Calculated Dip.		Mean Diurnal Range.	The Time at which the Mean Hourly Value of Calculated Dip was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
				H.	H.
January	19°15′7	19°11′1	0°4′6	15	Noon.
February.....	·09·5	·04·7	·4·8	8 and 11	20
March	·09·4	·03·5	·5·9	15	19
April	·07·1	·00·5	·6·6	14	18
May.....	·10·5	·03·7	·6·8	14	19
June.....	·11·1	·04·9	·6·2	14	19
July.....	·07·9	·04·5	·3·4	10	19 and 20
August.....	·08·6	·05·9	·2·7	10	19
September	·10·0	·07·5	·2·5	Uncertain.	19 and 20
October	·04·9	18·59·5	.5·4	8	19
November	·10·1	19·05·9	.4·2	11 and 12	19
December	·07·2	·03·6	·3·6	5	19

TABLE XL.—*Daily Range of Calculated Dip, for each Day of Göttingen Mean Time.*

Date, 1860.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1		0°9′4	0°5′7	0°8′7	0°6′3	0°7′5	0°7′8	0°2′6		0°3′9	0°7′7	
2	0°9′4	.6.8	.6.5	.7.7	.6.7		.3.9	.4.0	0°2′9	.3.8	.7.5	0°4′6
3	.6.6	.7.2		.5.5	10.6	.8.0	.9.5	.4.2	.2.1	.5.4		.5.2
4	.4 7		.6.3	.9.2	.6.9	.7.0	.8.3		·3.5	.3.7	.7.1	.4.1
5	.4.9	.7.5	.5.5			.8.8	.5.8	.3.5	.4.1	.4.8	.5.2	.3.7
6	.4.8	.5.1		.8.3	.7.9	.6.0	.6.3	.9.1	.8.1		.5.0	.4.2
7		.6.3	.7.2		.8.1	.7.2		.9.1	.8·1	.2·7	·5.7	.5.9
8	.5.6	.6.5	.7.5	10.2	.8.1	.7.6	.3.0	.7.8		·2.1	.4.4	
9	.6.5	.5.8	.6.4	.9.4	.6.4		.4.7	.7.0	.2.4	.7.2	.5.4	.4.9
10	.9.7	.6.2		12.4	.6.5	.4.7	.3.5	11.4	.3.1	.8.3		.8·5
11	.8.6		.7·3	.8.2	.4.0	.8.3	.6.5	.6.3	.3·2	.7.8		.4.9
12	13.8	.6.5	13.5	.5.7		.6.2	.5.5		.2.7	.9.5	.6·0	·3.7
13	.9.3	.6.3	.5.4	.5.8	.6.7	.6.3	.3.5	·6.4	.3.1		.4·1	·6.2
14		.4.5	.6.0		.7.0	.8.5		.3.8	.2.4	.9.9	.4.8	.6.5
15	.7.2	.5.6	.4.0	.7.0	.9.3	.6.0	.2.8	.2.5		10.2	.5.5	
16	.6.5	.3.7	.6.1	.5.3	.7.5		.2.6	.3.8	.3.8	.7.6	.6.7	.5.2
17	.6.0	.6.8		.7.9	.6.5	.6.5	.2.5	.1.8	·3.5	.9.2		.5.8
18	.5.5		.6.8	.8.4	.7.2	.7.4	.4 5		.3.5	10.5	.4.6	.5.4
19	.5.3		.7.3	.8.2		.4.5	.2.0	.5.2	.2.1	.7.5	.6.6	.5.0
20	.3.2	.5.0	.7.7	.8.7	.9.3	.4.2	.6.9	.3.5	.4.4		.4.2	.5.1
21		.6.9	.8.6		.9.5	.5.0		.2.6	.3.2	.7.0	.4.4	.3.1
22	.9.5	.4.1	.9.8	.6.1	.6.4	.6.8	.3.4	.2.6		.9.0	.5.4	
23	.8.6	.3.4	.7.1	.7.9			.3.7	.6.0	.3.2	.5.8	.4·2	.4.3
24	.7.2	.5.5		.6.4	.9.9	.6.5	.4.2	.2.7	.4.7	.5.3	.4.4	
25	.8.0	.8.6	.8.2	.6.9	.8.3	.7.4	.4.8	.3.6	.2.6	.5.7		.5.3
26	.5.2		.8.5	.7.4	.6.8	10.6	.3.5		.3.4	.5.1	.6.0	.5·2
27	.6.7	·6.6	.13.5	.7.8		.4.7	·2.9	.3.1	.4.2		.3.8	.4.0
28		.5.9	.5.5		.8.3	.5.5		.2.9	.3.0	.6.5	.4.2	.3.9
29	.7.5	.6.1	.11.0	.7.8	.7.9	.7.8	·3.4	.2.7		·6.9	.4.5	
30	.5.0		0.9.1	.7.6	.7·8		.4.1	.4.3	.3.9	.4.7	.4.8	·.5.7
31	.7.7				.6.1			.3.3		.5.1		

TABLE XLI.—*Showing, for the Year* 1860, *the Hours of Göttingen Mean Time at which the Calculated Dip, in Simple Hourly Observations, in each Month, was Greatest and Least.*

Months, 1860.	The Value of Calculated Dip in Horizontal Observations.		Mean Diurnal Range	The Time at which the Calculated Dip was			
	Greatest.	Least.		Greatest.		Least.	
				D.	H.	D.	H.
January	19°23·2	19°00·7	0°22·5	31	16	10	18
February	·21·2	·02·5	·18·7	1	16	8	19
March	·15·6	18·59·9	·15·7	12	5	7	19
April	·15·8	·54·0	·21·8	9	6	18	19
May.....	·17·7	·55·1	·22·6	24	14	3	18
June	·14·5	19·00·0	·14·5	11	2	18	18
July.....	·15·3	·01·8	·13·5	1	Noon.	3	19.
August.....	·16·8	·00·1	·16 7	7	2	10	12
September	·18·0	·04·0	·14·0	7	2	24	20
October	·12·7	18·54·5	·18·2	3	3	28	19
November	·12·4	·56·3	·16·1	30	5	1	19
December	·09·3	19·00·8	·08·5	30	5	7	19

TABLE XLII.—*Mean Value of Absolute Vertical Intensity, corrected for Instrumental Errors, for each Day of Göttingen Mean Time.*

Date, 1860.	January.	Feb.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.
1		2.8123	2.7838	2.7854*	2.7776	2.7963	2.7977*	2.7878		2.7886	2.7758	
2	2.8013	.8064	.7810	.7876	.7777		.7965	.7892	2.7937	.7880	.7765	2.7949
3	.7984	.8047		.7891	.7772	.7967	.7909	.7895	.7935	.7868		.7917
4	.7971		.7820	.7872	.7802	.7985	.7884*		.7940	.7869	.7825	.7893
5	.7966	.8014	.7831			.7990	.7878*	.7859	.7955	.7852	.7842	.7887
6	.7954	.7944		.7895	.7841	.7986	.7916	.7885*	.7964*		.7854	.7864
7		.7916	.7835		.7846	.7988		.7900*	.7965*	.7830	.7885	.7847
8	.7914	.7883	.7854*	.7882	.7838	.8003	.7979	.7896*		.7840	.7924	
9	.7878	.7874	.7857	.7897*	.7820		.7955	.7874*	.7960	.7951	.7944	.7823
10	.7875	.7858		.7875	.7808	.8030	.7963	.7801*	.7965	.7906		.7868*
11	.7924		.7837	.7776	.7826	.8005	.7908	.7791*	.7979	.7802		.7877
12	.7898	.7865	.7926*	.7780		.8015	.7963*		.7964	.7743	.7974	.7871
13	.8161	.7898	.7959	.7758	.7857	.7996	.7872	.7824*	.7964		.7990	.7843
14		.7874	.7933		.7866	.7949		.7831	.7957	.7677	.7989	.7788
15	.8129	.7836	.7921	.7739	.7877	.7906	.7896	.7823		.7678	.8000	
16	.8092	.7803	.7902	.7731	.7875		.7924	.7850	.7953	.7704	.7964	.7752
17	.8059	.7788		.7698	.7875	.7867	.7942	.7882	.7947	.7697		.7726
18	.8018		.7918	.7662	.7904	.7853	.7943		.7940	.7683	.7942	.7727
19	.7982		.7915	.7739		.7914	.7977	.7887	.7915	.7709	.7987	.7716
20	.7964	.7756	.7896	.7833	.7971	.7982	.7932	.7885	.7908		.7980	.7725
21		.7757*	.7899		.7990	.8018		.7911	.7912	.7731	.7975	.7839
22	.7981	.7761*	.7879	.7866	.8033	.8023	.7864	.7941		.7879	.7966	
23	.8040	.7771	.7937	.7877			.7866	.7951	.7899	.7853	.7934	.7823
24	.7986	.7812		.7874	.8017	.7996	.7851	.7944	.7892	.7799	.7917	
25	.7949	.7828	.7896	.7879	.8018	.7974	.7843	.7936	.7877	.7772		.7790
26	.7953		.7891	.7843	.8019	.7976	.7836		.7879	.7747	.7905	.7777
27	.8035	.7811	.7817	.7824		.8029	.7838	.7936	.7878		.7884	.7816
28		.7770	.7816*		.7976	.8040		.7929	.7883	.7731	.7894	.7818
29	.8050	.7773	.7832*	.7821	.7966	.8008	.7868	.7921		.7700	.7891	
30	.8047		.7827	.7811	.7970		.7877	.7943	.7890	.7725	.7952	.7962
31	.8157				.7949			.7944		.7733		

* This sign denotes an Abnormal day, or the day on which the Magnetic Disturbances occurred.

TABLE XLIII.—*Showing, for each Month, the Mean Value of Vertical Intensity, corrected for Instrumental Errors; and its Periodic Changes from the Mean of the Year.*

Months, 1860.	Mean Value of Vertical Intensity.	Difference from the Mean of the Year.	For SEASONS.	
	En. Un.	En. Un.		En. Un.
January	2·7999	0·0106		
February.....	·7877	− ·0016	Mean of { Jan., Feb., March, Oct., Nov., Dec. } or Winter ..	2·7881
March..	·7876	− ·0017		
April	·7819	− ·0074	Mean of { April, May, June, July, Aug., Sept. } or Summer..	2·7905
May	·7895	·0002		
June.....	·7978	·0085	Mean of the year.....	2·7893
July	·7906	·0013		
August.....	·7902	·0009		
September	·7928	·0035	Greatest Monthly Mean in January	2·7999
October	·7787	·0106	Least Monthly Mean in October	2·7787
November	·7917	·0024		
December	·7830	− ·0063	Difference..	0·0212

TABLE XLIV.—*Mean Value of Vertical Intensity, corrected for Instrumental Errors, in each Month, for each Hour of Göttingen Mean Time.*

Göttingen Mean Time.	MONTHS, 1860.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.
Noon.	2.7947	2.7850	2.7869	2.7825	2.7898	2.7981	2.7903	2.7903	2.7933	2.7787	2.7878	2.7808
1	.7949	.7856	.7861	.7815	.7897	.7979	.7903	.7898	.7930	.7780	.7879	.7815
2	.7967	.7863	.7858	.7809	.7891	.7967	.7901	.7899	.7926	.7797	.7896	.7828
3	.7988	.7874	.7873	.7816	·7891	·7965	.7897	.7899	.7924	.7800	.7901	.7834
4	.7989	·7878	.7879	.7823	.7895	.7973	.7899	.7897	.7924	.7799	.7904	.7834
5	.7989	.7872	.7879	·7825	.7897	.7979	.7899	.7895	.7924	.7797	.7910	.7833
6	.7992	.7875	.7880	.7832	.7901	.7984	.7899	.7898	.7924	.7805	.7922	.7829
7	.8002	.7885	.7904	.7832	.7904	.7988	.7900	.7898	.7925	.7804	.7931	.7830
8	·8014	.7890	.7887	.7831	.7906	.7990	.7902	.7899	.7925	·7807	.7934	.7830
9	.8016	.7889	.7886	.7834	.7907	.7988	.7907	.7898	.7925	.7806	.7935	.7835
10	.8012	·7891	.7886	.7834	·7909	.7990	.7909	.7899	.7926	.7804	.7938	.7837
11	.8019	.7890	.7886	.7838	.7911	.7993	.7911	.7899	.7926	.7803	.7941	.7840
12	.8020	.7890	.7888	.7840	.7917	.7994	.7914	.7900	.7926	.7800	.7943	.7841
13	.8029	.7895	.7892	.7846	.7928	.8006	.7916	.7902	.7926	.7796	.7941	.7836
14	.8034	.7895	.7899	.7857	.7942	.8021	.7919	.7904	.7926	.7803	.7939	.7843
15	.8040	·7899	.7909	.7850	.7934	.8019	.7915	.7905	.7927	.7804	.7945	.7845
16	.8052	.7920	·7909	.7812	.7910	.8000	.7916	.7904	.7927	.7791	.7950	.7851
17	.8033	·7907	.7903	.7777	.7864	.7976	.7914	.7904	.7928	.7768	.7934	.7836
18	.7990	.7875	·7852	.7760	.7844	.7946	.7904	.7904	.7928	.7751	.7929	.7819
19	·7976	.7849	.7837	.7768	.7836	·7934	.7900	.7905	·7928	.7747	.7902	.7807
20	.7992	.7846	.7843	.7787	.7846	.7933	.7900	·7907	.7929	·7758	.7902	.7815
21	.7981	.7855	.7855	.7799	.7869	.7946	.7901	.7906	.7932	.7768	.7899	.7821
22	.7971	.7847	.7866	.7817	.7889	.7956	.7901	.7908	.7934	.7765	.7887	.7823
23	.7979	.6837	.7871	.7824	.7899	.7973	.7702	.7910	.7933	.7760	.7886	.7823

TABLE XLV.—*Showing, for the Year* 1860, *the Mean Value of Vertical Intensity, corrected for Instrumental Errors, for each Hour of Göttingen Mean Time; and also its Diurnal Changes from the Mean of the Year.*

Göttingen Mean Time.	Bombay Civil Time.	Mean Value of Vertical Intensity.	Difference from the Mean of the Whole.	FOR DAY AND NIGHT.
	H. M.	En. Un.	En. Un.	
Noon.	4 12 P. M.	2·7882	−0.0011	
1	5 12 „	·7880	− ·0013	
2	6 12 „	·7883	− ·0010	En. Un.
3	7 12 „	·7889	− ·0004	Mean of {2, 3, 4, 5, 6, 7, / 8, 9, 10, 11, 12, 13,} or Night. 2·7898
4	8 12 „	·7891	− ·0002	
5	9 12 „	·7892	− ·0001	
6	10 12 „	·7895	·0002	Mean of {14, 15, 16, 17, 18, 19, / 20, 21, 22, 23, 0, 1,} or Day.. 2·7888
7	11 12 „	·7900	·0007	
8	0 12 A. M.	·7901	·0008	Mean Annual.... 2·7893
9	1 12 „	·7902	·0009	
10	2 12 „	·7903	·0010	
11	3 12 „	·7905	·0012	
12	4 12 „	·7906	·0013	
13	5 12 „	·7909	·0016	TIMES OF MEAN MAXIMUM AND MINIMUM.
14	6 12 „	·7915	·0022	
15	7 12 „	·7916	·0023	G. M. T. B. C. T.
16	8 12 „	·7912	·0019	A Minimum at 1 or 5 P. M.
17	9 12 „	·7895	·0002	A Maximum at 15 or 7 A. M.
18	10 12 „	·7875	·0018	A Minimum at 19 or 11 A. M.
19	11 12 „	·7866	·0027	A Maximum at 23 or 3 P. M.
20	0 12 P. M	·7871	·0022	
21	1 12 „	·7878	·0015	
22	2 12 „	·7880	·0013	
23	3 12 „	·7883	·0010	

TABLE XLVI.—*Excess of the Mean Hourly Value of Vertical Intensity, (corrected for Instrumental Errors,) above the Monthly Mean.*

Göttingen Mean Time.	MONTHS, 1860.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.
Noon.	−0.0052	−0.0027	−0.0007	0.0006	0.0003	0.0003	−0.0003	0.0001	0.0005	0.0000	−0.0039	−0.0022
1	− .0050	− .0021	− .0015	− .0094	.0002	.0001	− .0003	− .0004	.0002	− ·0007	− .0038	− .0015
2	− .0032	− .0014	− .0018	− .0006	− .0004	− .0011	− .0005	− .0003	− .0004	.0010	− .0021	− .0002
3	− .0011	− .0003	− .0003	− .0003	− .0004	− .0013	− .0009	− .0003	− .0004	·0013	− .0016	.0004
4	− .0010	− .0001	.0003	.0004	.0000	− .0005	− .0007	− .0005	− .0004	.0012	− .0013	.0004
5	− .0010	− .0005	.0003	.0006	.0002	.0001	− .0007	− .0007	− ·0004	.0010	− .0007	.0003
6	− .0007	− .0002	.0004	·0013	.0006	.0006	− .0007	− .0004	− .0004	.0018	.0005	− .0001
7	− .0003	.0008	.0028	.0013	.0009	.0010	− .0006	− ·0004	− .0003	.0017	.0014	.0000
8	.0015	.0013	.0011	.0012	.0011	.0012	− .0004	− .0003	− .0003	.0020	.0017	.0000
9	.0017	.0012	.0010	.0015	.0012	.0010	.0001	− .0004	− ·0003	.0019	·0018	.0005
10	.0013	.0014	.0010	.0015	.0014	.0012	.0003	− .0003	− .0002	.0017	.0021	.0007
11	·0020	.0013	.0010	.0019	.0016	.0015	·0005	− .0003	− .0002	.0016	.0024	.0010
12	.0021	.0013	.0012	.0021	.0022	.0016	.0008	− .0002	− .0002	.0013	.0026	.0011
13	.0020	·0018	.0016	·0027	.0033	.0028	·0010	·0000	− .0002	.0009	.0024	·0006
14	.0035	.0018	.0023	.0038	.0047	.0043	.0013	.0002	− .0002	.0016	.0022	.0013
15	.0041	.0022	.0033	.0031	.0039	·0041	.0009	.0003	− .0001	.0017	.0028	.0015
16	.0053	·0023	.0033	− .0007	.0015	.0022	.0010	.0002	− .0001	.0004	.0033	.0021
17	.0034	.0030	.0037	− .0042	− .0031	.0009	.0008	.0002	.0000	− .0019	.0017	.0006
18	− .0009	.0004	− .0023	− .0059	− .0051	.0032	− .0002	.0002	.0000	− .0036	.0012	− .0011
19	− .0023	− .0022	− .0038	− .0051	− .0059	− .0044	− .0006	.0003	·0000	− .0040	− ·0015	− .0023
20	− .0017	− .0025	− .0032	− .0032	− .0049	− .0045	− .0006	.0005	.0001	− .0029	− ·0015	− .0015
21	− .0018	− ·0016	− .0020	− .0020	− .0026	− .0032	− .0005	.0004	.0004	− .0019	− .0018	− .0009
22	− .0028	− .0024	− .0009	− .0002	− .0006	− ·0022	− .0005	.0006	.0006	− .0022	− .0030	− .0007
23	− .0020	− .0034	− .0004	.0005	− .0004	− .0005	− .0004	.0008	.0005	− .0027	− .0031	− .0007

TABLE XLVII.—*Showing, for the Year* 1860, *the Hours of Göttingen Mean Solar Time, about which the Mean Value of Vertical Intensity, corrected for Instrumental Errors, in each Month, was at its Maximum and Minimum.*

Month, 1860.	The Mean Hourly Value of Vertical Intensity.								Mean Diurnal Range.	The Time at which the Mean Hourly Value of Vertical Intensity was at its							
	2nd Evening Maximum.	2nd Evening Minimum.	Midnight Maximum.	Midnight Minimum.	Morning Maximum.	Mid-day Minimum.	1st Evening Maximum.	1st Evening Minimum.		2nd Evening Maximum.	2nd Evening Minimum.	Midnight Maximum.	Midnight Minimum.	Morning Maximum.	Mid-day Minimum.	1st Evening Maximum.	1st Evening Minimum.
										H.	H.	H.	H.	H.	H.	H.	H.
January	2°7979	2°7949	2°8016	2°8012	2°8052	2°7976	2·7992	2·7971	0°01·93	23	0	9	10	16	19	20	21
February			·7878	·7872	·7920	·7846	·7855	·7837	·00·83			4	5	16	20	21	23
March	– ·7871	·7858	·7904	·7886	·7909	·7837			·00·72	23	2	7	11	16	19		
April	·7825	·7809			·7857	·7760			·00·97	24	2			14	18		
May.....	·7899	·7891			·7942	·7836			·01·06	23	2			14	19		
June.....	·7981	·7965			·8021	·7933			·00·88	24	3			14	20		
July.....	·7903	·7897			·7919	·7900			·00·22	24	3			14	20		
August.....	·7910	·7898	·7899	·7895	·7905	·7904	·7906	·7906	00·15	23	1	3	5	15	18	20	21
September ..	·7934	·7924							·00·10	22	4						
October	·7787	·7780	·7807	·7796	·7804	·7747	·7768	·7760	·00·60	24	1	8	13	15	19	21	23
November ..					·7943	·7939	·7950	·7878	·00·72				1	12	14	16	24
December ..	·7834	·7829	·7841	·7836	·7851	·7807	·7823	·7808	·00·44	4	6	12	13	16	19	22	24

TABLE XLVIII.—*Daily Range of Vertical Intensity, corrected for Instrumental Errors, for each Day of Göttingen Mean Time.*

Date, 1860.	January.	February	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.
1		0.0222	0.0087	0.0121	0.0093	0·0144	0.0086	0.0020		0.0012	0.0123	
2	0.0173	.0139	.0074	.0118	.0097		.0043	.0020	0.0025	.0017	.0097	0.0075
3	.0144	.0123		.0084	.0148	.0135	.0114	.0022	.0020	.0021		.0053
4	.0106		.0098	.0140	.0099	.0131	.0147		.0024	.0027	.0124	.0051
5	.0091	.0135	.0091			.0136	·0124	.0035	.0014	·0017	·0091	.0047
6	.0066	.0078		·0116	.0107	.0102	.0075	.0043	.0017		.0088	·0084
7		.0121	.0121		.0105	.0135		.0043	.0010	.0033	.0099	.0092
8	.0115	.0121	.0111	.0162	.0152	.0101	.0077	.0044		.0013	.0108	
9	.0103	.0082	.0141	.0108	.0133		.0057	.0079	.0012	.0110	.0094	.0080
10	.0191	·0080		.0232	.0131	.0121	.0055	.0175	.0032	.0145		.0119
11	.0157		.0117	.0125	.0063	.0126	.0089	.0030	.0022	.0146		·0074
12	.0344	.0168	.0193	.0086		.0110	.0063		.0029	.0175	.0122	.0046
13	.0165	.0145	.0063	.0089	.0106	·0105	.0039	.0019	.0023		.0085	.0089
14		·0084	.0059		·0135	.0162		.0019	.0018	.0155	.0098	.0098
15	·0140	.0069	.0044	·0115	.0155	.0088	.0044	.0041		.0164	.0081	
16	.0098	.0053	.0078	.0052	.0091		.0025	.0043	.0019	.0104	.0109	.0086
17	·0121	.0055		·0123	.0112	·0114	.0032	.0038	.0012	.0149		.0100
18	.0094		.0077	.0120	.0136	.0121	.0019		.0014	.0108	.0082	.0074
19	·0129		.0108	.0196		.0129	.0058	.0044	.0024	.0105	.0139	.0095
20	.0075	.0087	.0100	.0147	.0138	.0169	.0108	.0050	.0021		.0045	.0187
21		.0068	.0120		.0129	.0073		.0047	·0022	.0081	·0075	.0034
22	.6194	.0084	.0143	.0082	.0088	.0068	.0047	·0027		.0197	.0053	
23	.0179	.0083	.0078	.0132			.0032	.0005	.0025	.0076	.0047	.0058
24	.0129	.0112		.0106	.0162	.0083	.0041	.0011	.0010	.0069	.0089	
25	·0112	·0081	.0107	.0100	.0151	.0083	.0027	.0013	.0024	.0072		.0083
26	.0127		.0097	.0141	.0110	.0135	.0022		.0022	.0079	.0115	.0075
27	.0094	.0078	.0092	.0127		.0128	.0030	.0017	.0028		.0082	.0074
28		.0067	.0114		.0115	.0080		·0015	.0013	.0101	.0067	.0083
29	.0168	.0097	.0156	.0125	.0122	.0143	.0052	.0027		.0074	.0067	
30	·0145		.0122	.0116	.1129		.0019	·0034	.0016	.0087	·0156	.0103
31	.0166				.0091			.0028		.0075		

TABLE XLIX.—*Showing, for the Year* 1860, *the Hours of Göttingen Mean Time at which the Value of Vertical Intensity, corrected for Instrumental Errors, in Simple Hourly Observations, in each Month, was Greatest and Least.*

Months, 1860.	The Mean Hourly Value of Vertical Intensity was		Mean Diurnal Range.	The Time at which the Mean Hourly Value of Vertical Intensity was			
	Greatest.	Least.		Greatest.		Least.	
	En. Un.	En. Un.	En Un.	D.	H.	D.	H.
January	2·8229	2·7769	0·0453	31	16	10	18
February	·8192	·7807	·0385	1	16	8	23
March	·7985	·7766	·0219	12	7	2	23
April	·7981	·7587	·0394	10	13	18	19
May	·8085	·7663	·0422	22	15	3	18
June	·8064	·7806	·0258	5	15	17	19
July	·8005	·7793	·0212	19	15	4	23
August	·7951	·7776	·0175	10	Noon.	11	4
September	·7968	·7868	·0100	16	Noon.	25	13
October	·7990	·7654	·0336	9	5	29	1
November	·8013	·7699	·0314	30	16	1	1
December.....	·8006	·7803	·0203	30	Noon.	6	23

TABLE L.—*Mean Temperature of Air confined within the Box of the Vertical Force Magnetometer, for each Day of Göttingen Mean Time.*

Date, 1860.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1		73°9	81°1	84°0	86°9	90°2	82°5	82°5		86°3	85°0	
2	74°0	74.9	80.5	84.0	87.5		82.2	81.9	85°9	86.2	84.7	79°4
3	74.9	75.7		83.9	86.5	89.6	83.1	81.9	83.6	84.6		79.8
4	75.2		79.7	83.8	86.1	89.2	84.0		81.5	84.2	84.3	79.7
5	75.4	76.3	79.8			89.3	83.0	82.7	81.3	84.0	84.4	79.5
6	74.0	77.3		82.7	86.7	89.1	82.9	82.4	80.9		83.2	79.8
7		77.4	80.4		86.9	88.5		81.4	82.2	85.2	81.5	80.1
8	75.0	77.8	80.9	83.6	86.9	88.0	81.0	81.5		85.6	81.6	
9	75.0	77.9	80.4	84.3	86.8		81.1	82.3	83.0	86.3	81.3	81.6
10	76.4	78.7		85.0	87.3	85.2	81·8	82.8	82.8	86.8		81.1
11	77.5		81.0	84.4	87.4	86.2	84.3	82.7	82.7	87.3		80.7
12	77·2	80.4	80.8	83.9		83.5	85.1		83.7	87.7	81.2	80.8
13	76.8	81·1	79·8	83.5	87·1	82.0	85.6	81.9	83.5		81.0	78.6
14		80.1	80.7		87.4	84.1		81.8	83.6	87.5	80.8	78.9
15	75.0	79·7	81.0	84.3	87.1	85.8	83.6	82.5		87.0	80.6	
16	76.0	79.3	80.4	84.1	87.4		83.3	82.3	84.4	85.6	80.3	81.5
17	77.1	79.0		84.0	87.8	86.7	83.1	80.7	84.6	86.4		81.5
18	77.1		80.9	83.8	87.4	87.0	82.9		84.5	86.3	79.5	81.6
19	77.1		79.9	83.9		87.3	81.1	83.2	84.8	85.0	79.3	82.0
20	76.4	81.1	80.6	84.1	86.9	84.3	81.6	83.9	84.9		81.2	82.4
21		81.5	82.1		86.4	84·1		84.0	84.8	85.7	82.1	82.7
22	75.9	80.3	82.7	84.1	86.3	83·6	83.3	84.0		86.0	82.7	
23	71.1	79·2	83.3	84.4			83.1	83.7	85.2	87.0	82.2	81.7
24	73.0	79.0		84.4	87.5	86.4	83·5	84.0	85.3	87.6	82.1	
25	75.1	78.6	84.5	84.2	88.2	86·9	83.6	85.2	85·2	87.7		80.5
26	76.0		85.1	84.8	88.8	86.9	83.8		84.5	88.4	81.9	80.2
27	76.0	78.6	85.7	84.8		86.2	83.7	85.7	85.0		81.4	80.2
28		78.8	85.0		88.9	86.0		85.0	85.0	87.8	80·1	80.1
29	73.9	80.0	84.3	85.5	88.9	82·9	83.3	84.8		87.0	80.1	
30	73.6		84.5	86.0	89.3		83.1	85.2	85.9	85.9	79.5	81.2
31	73.5				89.8			85.4		85.3		

TABLE LI.—*Showing, for each Month, the Mean Temperature of Air confined within the Box of the Vertical Force Magnetometer; and its Periodic Changes from the Mean of the Year.*

Months, 1860.	Mean Temperature of Air confined in the Box of V. F. M.	Difference from the Mean of the Year.	FOR SEASONS.
January	75°3	− 7°4	
February	78·4	− 3·9	Mean of { Jan., Feb., March, / Oct., Nov., Dec. } or Winter ..... 80°6
March	81·6	− 1·1	
April	84·2	1·5	
May	87·5	4·8	Mean of { Apr., May, June, / July, Aug., Sept. } or Summer .... 84·8
June	86·4	3·7	
July	83·0	0·3	Mean of the Year.. 82·7
August	83·5	0·8	
September	84·2	1·5	Greatest Monthly Mean in May..... 87·5
October	86·3	3·6	Least Monthly Mean in January ..... 75·3
November	81·7	− 1·0	
December.....	80·6	− 2·1	Difference..... 12·2

TABLE LII.—*Mean Temperature of Air within the Box of the Vertical Force Magnetometer, in each Month, for each Hour of Göttingen Mean Time.*

Göttingen Mean Time.	MONTHS, 1860.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Noon.	78°7	80°9	84°3	86°6	89°8	88°2	83°8	85°2	86°0	88°5	84°8	83°6
1	78.0	80.9	84.2	86.5	89.6	88.1	83.7	85.0	85.8	88.3	84.3	83.2
2	77.3	80.0	83.5	85.8	89.0	87.6	83.5	84.5	85.4	87.6	83.5	82.5
3	76·8	79·5	82.8	85.1	88.3	87.2	83.2	84.1	85.0	87.1	83.1	82.0
4	76.3	79.1	82.3	84.7	87.9	86.7	83.1	83.8	84.7	86.8	82.7	81.7
5	76.1	78.6	82.0	84.3	87.5	86.6	83.0	83.6	84.2	86.6	82.4	81.0
6	75.7	78.4	81.7	84.1	87.2	86.4	82.9	83.5	83.9	86·3	82.0	80.6
7	75.3	78.1	81.4	83.8	87.0	86.1	82.8	83.2	83.7	86.1	81.6	80.2
8	74.9	77·9	81.1	83.5	86.7	86.0	82.8	83.2	83.5	85.9	81.3	79.9
9	74.6	77.6	80.8	83.3	86·5	85.7	82.6	83.1	83.5	85.4	81.0	79.8
10	74.4	77·3	80.4	83.1	86.4	85.6	82.6	82.9	83.5	85.3	80.7	79.6
11	74.0	77.1	80.1	82.9	86.2	85.4	82.5	82.9	83.4	85.1	80.4	79.4
12	73.7	76.9	79.9	82·8	86.0	85·2	82.4	82.7	83.3	84·9	80.1	79·2
13	73·2	76.8	79.7	82.6	85.8	85·1	82.4	82.5	83.1	84.9	79.5	78.9
14	72.8	76.5	79·5	82.4	85.5	85.0	82.4	82·4	83.0	84.8	79.2	78.6
15	72.6	76.2	79.3	82.3	85.7	85.0	82.3	82.3	82.9	84.8	79.1	78.3
16	72.7	76.3	79.5	82.7	86.2	85.2	82.3	82.4	83.1	84·9	79.2	78.5
17	73.2	76.7	80.2	83.3	86·6	85.6	82.6	82.7	83.3	85.4	79.7	78.7
18	73.9	77.5	80.9	83.9	87.2	86.1	82.9	83.1	83.8	85.9	80.4	79.3
19	74.9	78.4	81.7	84.5	87.8	86.6	83.2	83.5	84.2	86.5	81.4	80.2
20	75.9	79.2	82.4	85.1	88.3	86·9	83·5	83.9	84·6	87.1	82.3	81.1
21	76.9	79.9	83.0	85.6	88.8	87.2	83.8	84.3	84.9	87.3	83.3	82.1
22	77.7	80.5	83.7	86.0	89.3	87.6	84.1	84.5	85.3	87.9	84·1	82.9
23	78.3	81·4	84.2	86·3	89.7	87.7	84.0	85.0	85.7	88.2	84.5	83.3·

TABLE LIII.—*Showing, for the Year* 1860, *the Mean Temperature of Air confined within the Box of the Vertical Force Magnetometer, for each Hour of Göttingen Mean Time; and also its Diurnal Changes from the Mean of the Year.*

Göttingen Mean Time.	Bombay Civil Time.	Mean Temperature of Air within the Box of Vertical Force.	Difference from the Mean of the Whole.	FOR DAY AND NIGHT.
	H. M.			
Noon.	4 12 P. M.	85°0	2°3	
1	5 12 „	84·8	2·1	
2	6 12 „	84·2	1·5	
3	7 12 „	83·7	1·0	
4	8 12 „	83·3	0·6	
5	9 12 „	83·0	0·3	Mean of {2, 3, 4, 5, 6, 7, / 8, 9, 10, 11, 12, 13,} or Night.... 82°4
6	10 12 „	82·7	0·0	
7	11 12 „	82·4	− 0·3	
8	0 12 A. M.	82·2	− 0·5	Mean of {14, 15, 16, 17, 18, 19, / 20, 21, 22, 23, 0, 1,} or Day..... 83 0
9	1 12 „	82·0	− 0·7	
10	2 12 „	81·8	− 0·9	
11	3 12 „	81·6	− 1·1	Mean Annual..... 82·7
12	4 12 „	81·4	− 1·3	
13	5 12 „	81·2	− 1·5	
14	6 12 „	81·0	− 1·7	
15	7 12 „	80·9	− 1·8	TIMES OF MEAN MAXIMUM AND MINIMUM.
16	8 12 „	81·1	− 1·6	
17	9 12 „	81·5	− 1·2	G. M. T. B. C. T.
18	10 12 „	82·1	− 0·6	A Maximum at Noon or 4 P. M.
19	11 12 „	82·7	0·0	A Minimum at 15 or 7 A. M.
20	0 12 P. M.	83·4	0·7	
21	1 12 „	83·9	1·2	
22	2 12 „	84·5	1·8	
23	3 12 „	84·9	2·2	

TABLE LIV.—*Excess of the Mean Hourly Temperature of Air, within the Box of the Vertical Force Magnetometer, above the Monthly Mean.*

Göttingen Mean Time.	MONTHS, 1860.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Noon.	3°4	2°5	2°8	2°4	2°3	1°8	0°8	1°6	1°9	2°2	3°2	3°0
1	2.7	2.5	2.6	2.3	2·2	1.7	0.7	1.4	1.7	1.9	2.6	2.6
2	2.0	1.6	1.9	1.6	1.5	1·2	0.5	1.0	1.2	1.3	1.8	1·9
3	1.4	1.1	1.2	0·9	0.8	0.8	0.2	0.6	0.8	0.8	1.4	1·4
4	1.0	0.7	0.7	0.5	0.4	0.3	0.1	0.2	0.5	0.5	1.0	1.1
5	0.7	0.2	0.4	0.1	0.0	0.2	0.0	0.1	0.0	0·3	0.7	0.4
6	0.3	0.0	0.1	− 0.1	− 0.3	0.0	− 0.1	0.0	− 0.3	0.0	0.3	0.0
7	0.0	− 0.3	− 0.2	− 0.4	− 0.5	− 0.2	− 0.2	− 0.3	− 0.5	− 0.2	− 0.1	− 0.4
8	− 0.4	− 0.5	− 0.5	− 0.7	− 0.7	− 0.4	− 0.2	− 0.3	− 0.6	− 0.4	− 0.4	− 0.7
9	− 0.7	− 0.8	− 0.8	− 0.9	− 0.9	− 0.6	− 0.4	− 0.4	− 0.6	− 0.9	− 0.7	− 0.8
10	− 0.9	− 1.1	− 1.2	− 1.1	− 1.1	− 0.8	− 0.4	− 0.6	− 0.7	− 1.0	− 0.9	− 1·0
11	− 1.3	− 1.3	− 1.5	− 1.3	− 1.2	− 0.9	− 0.5	− 0.6	− 0.7	− 1.3	− 1.3	− 1.2
12	− 1·6	− 1.5	− 1.7	− 1.4	− 1.4	− 1.1	0.6	− 0.8	− 0.9	− 1.4	− 1.6	− 1.5
13	− 2.1	− 1.6	− 1.9	− 1.6	− 1.7	− 1.2	0·6	− 1.0	− 1.0	− 1.4	− 2.2	− 1.8
14	− 2.5	− 1.9	− 2.1	− 1.8	− 2.0	− 1.4	0.6	− 1.1	− 1.1	− 1.5	− 2·5	− 2.0
15	− 2.7	− 2.2	− 2.3	− 1.9	− 1.8	− 1.4	0.7	− 1.2	− 1.2	− 1.5	− 2.6	− 2.3
16	− 2.6	− 2.1	− 2.1	− 1.5	− 1.3	− 1.2	− 0.7	− 1.1	− 1.1	− 1.4	− 2.5	− 2.1
17	− 2.1	− 1.7	− 1.4	− 0.9	− 0.8	− 0.8	− 0·4	− 0·8	− 0.8	− 0.9	− 2.0	− 1.9
18	− 1.4	− 0.9	− 0.7	− 0.3	− 0.3	− 0.3	0.1	− 0.4	− 0.4	− 0.4	− 1.2	− 1.3
19	− 0·4	0.0	0.1	0.3	0.3	0.2	0.2	0.0	0.0	0.2	− 0.3	− 0.4
20	0.6	0.8	0·8	0.9	0.8	0.6	0.5	0.3	0.4	0.7	0.6	0.5
21	1.5	1.5	1·4	1.4	1.3	0.9	0.8	0.7	0.8	1.0	1.6	1.5
22	2.4	2.1	2·1	1.8	1.8	1.2	1·1	1.0	1.2	1·5	2·4	2.3
23	3.0	3.0	2.6	2.1	2.2	1.4	1.0	1.5	1.5	1.9	2.9	2.7

TABLE LV.—*Showing, for the Year* 1860, *the Hours of Göttingen Mean Time at which the Mean Temperature of Air, within the Box of the Vertical Force, in each Month, was at its Maximum and Minimum.*

Months, 1860.	The Mean Hourly Temperature of Vertical Force Magnetometer was at its		Mean Diurnal Range.	The Time at which the Mean Hourly Temperature of Vertical Force was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
				H.	H.
January	78°7	72°1	6°1	Noon.	15
February	81·4	76·2	5·2	23	15
March	84·3	79·3	5·0	Noon.	15
April	86·6	82·3	4·3	,,	15
May	89·8	85·5	4·3	,,	14
June	88·2	85·0	3·2	,,	14 and 15
July	84·1	82·3	1·8	22	15 and 16
August	85·2	82·3	2·9	Noon.	15
September	86·0	82.6	3·1	,,	15
October	88·5	84·8	3·7	,,	14 and 15
November	84·8	79·1	5·7	,,	15
December	83·6	78·3	5·3	,,	15

TOTAL FORCE.

TABLE LVI.—*Showing, for each Month the Mean Value of Total Intensity; and its Periodic Change from the Mean of the Year.*

Months, 1860.	Mean Value of Total Intensity.	Difference from the Mean of the Year.	FOR SEASONS.	
	En. Un.	En. Un.		En. Un.
January	8·504	−0·008	Mean of { Jan., Feb., March, Oct., Nov., Dec. } or Winter..	8·508
February	·510	− ·002		
March	·508	− ·004		
April	·505	− ·007	Mean of { April, May, June, July, Aug., Sept. } or Summer...	8·516
May	·518	·006		
June	·525	·003		
July	·521	·009	Mean of Year.....	8·512
August	·515	·013		
September	·511	− ·001	Greatest Monthly Mean in June	8·525
October	·507	− ·005	Least Monthly Mean in January	8·504
November	·513	·001		
December	·506	− ·006	Difference....	0·021

TABLE LVII.—*Showing, for the Year* 1860, *the Mean Value of Total Intensity, for each Hour of Göttingen Mean Time; and also its Diurnal Changes from the Mean of the Year.*

Göttingen Mean Time.	Bombay Civil Time.	Mean Value of Total Intensity.	Difference from the Mean of the Whole.	FOR DAY AND NIGHT.
	H. M.	En. Un.	En. Un.	
Noon.	4 12 P. M.	8·513	0·001	
1	5 12 „	·510	– ·002	En. Un.
2	6 12 „	·508	– ·004	Mean of { 2, 3, 4, 5, 6, 7, / 8, 9, 10, 11, 12, 13, } or Night .... 8·507
3	7 12 „	·506	– ·006	
4	8 12 „	·505	– ·007	
5	9 12 „	·504	– ·008	Mean of { 14, 15, 16, 17, 18, 19, / 20, 21, 22, 23, 0, 1, } or Day..... 8·518
6	10 12 „	·505	– ·007	
7	11 12 „	·505	– ·007	
8	0 12 A. M.	·507	– ·005	Mean Annual ..... 8·512
9	1 12 „	·507	– ·005	
10	2 12 „	·508	– ·004	
11	3 12 „	·508	– ·004	
12	4 12 „	·508	– ·004	TIMES OF MEAN MAXIMUM AND MINIMUM.
13	5 12 „	·508	– ·004	G. M. T. B. C. T.
14	6 12 „	·509	– ·003	A Minimum at 5 or 9 P. M.
15	7 12 „	·510	– ·002	A Maximum at 19 or 11 A. M.
16	8 12 „	·519	·007	
17	9 12 „	·521	·009	
18	10 12 „	·525	·013	
19	11 12 „	·528	·016	
20	0 12 P. M.	·526	·014	
21	1 12 „	·523	·011	
22	2 12 „	·520	·008	
23	3 12 „	·516	·004	

TABLE LVIII.—*Showing, for each Month, the Mean Value of Total Intensity, corrected for the Effects of Circumambient Air; and its Periodic Changes from the Mean of the Year.*

Months, 1860.	Mean Value of Total Intensity.	Difference from the Mean of the Year.	FOR SEASONS.
	En. Un.	En. Un.	En. Un.
January	8·635	0·123	Mean of { Jan., Feb., March, / Oct., Nov., Dec. } or Winter .. 8·548
February.....	·585	·073	
March	·523	·011	
April	·476	– ·036	Mean of { Apr., May, June, / July, Aug., Sept. } or Summer .. 8·476
May.....	·430	– ·080	
June.....	·460	– ·052	
July.....	·506	– ·006	Mean of the Year.. 8·512
August.....	·495	– ·017	
September	·487	– ·025	Greatest Monthly Mean in January ..... 8·635
October	·454	– ·058	Least Monthly Mean in May..... 8·430
November	·539	·022	
December	·549	·037	Difference.. 0·205

TABLE LIX.—*Showing, for the Year* 1860, *the Mean Value of Total Intensity, corrected for the effects of Circumambient Air, for each Hour of Göttingen Mean Time; and also its Diurnal Changes from the Mean of the Year.*

Göttingen Mean Time.	Bombay Civil Time.	Mean Value of Total Intensity.	Difference from the Mean of the Whole.
	H. M.	En. Un.	En. Un.
Noon.	4 12 P. M.	8·438	-0·074
1	5 12 „	·466	- ·046
2	6 12 „	·494	- ·018
3	7 12 „	·508	- ·004
4	8 12 „	·515	·003
5	9 12 „	·524	·012
6	10 12 „	·536	·024
7	11 12 „	·544	·032
8	0 12 A. M.	·550	·038
9	1 12 „	·556	·044
10	2 12 „	·561	·049
11	3 12 „	·566	·054
12	4 12 „	·571	·059
13	5 12 „	·576	·064
14	6 12 „	·580	·068
15	7 12 „	·564	·052
16	8 12 „	·541	·029
17	9 12 „	·511	- ·001
18	10 12 „	·489	- ·022
19	11 12 „	·470	- ·042
20	0 12 P. M.	·449	- ·063
21	1 12 „	·433	- ·079
22	2 12 „	·425	- ·087
23	3 12 „	·426	- ·086

FOR DAY AND NIGHT.

	En. Un.
Mean of {2, 3, 4, 5, 6, 7, / 8, 9, 10, 11, 12, 13,} or Night	8·542
Mean of {14, 15, 16, 17, 18, 19, / 20, 21, 22, 23, 0, 1,} or Day	8·483
Mean Annual.....	8·512

TIMES OF MEAN MAXIMUM AND MINIMUM.

	G. M. T.	B. C. T.
A Maximum at	14 or	6 A. M.
A Minimum at	22 or	2 P. M.

TABLE LX.—*Showing the Mean Monthly, Hourly, and Annual Changes of the Magnetic Elements, as obtained from the Observations of the last Fourteen years (*1847 *to* 1860 *inclusive).*

Göttingen Mean Time.	Hourly Changes. Declination (in arc.)	Horizontal Force in En. Units.	Dip.	Vertical Force in En. Units.	Total Force in En. Units.
Noon.	17'969	7·9885	18°55'9	2·7380	8·432
1	·953	·9893	·55·9	·7371	·439
2	·837	·9903	·56·2	·7378	·445
3	·783	·9902	·56·9	·7384	·450
4	·811	·9911	·57·4	·7393	·453
5	·871	·9912	·57·7	·7402	·456
6	·961	·9922	·58·1	·7413	·459
7	18·086	·9932	·58·4	·7421	·461
8	·713	·9942	·58·6	·7431	·464
9	·207	·9952	·58·9	·7437	·467
10	·190	·9962	·59·1	·7440	·468
11	·100	·9963	·59·3	·7445	·469
12	·016	·9973	·59·6	·7449	·471
13	·065	·9974	·59·8	·7450	·472
14	·589	·9984	·60·3	·7471	·473
15	19·128	·9975	·60·3	·7476	·468
16	·376	·9968	·59·6	·7472	·462
17	18·971	·9982	·58·2	·7453	·456
18	·016	·9994	·56·6	·7428	·451
19	16·979	·9995	·55·6	·7407	·446
20	·405	·9974	·55·3	·7400	·440
21	·677	·9951	·55·6	·7401	·436
22	17·056	·9927	·55·8	·7399	·433
23	·535	·9922	·55·8	·7391	·432

Months.	Mean Values. Declination (in arc.)	Horizontal Force in En. Units.	Dip.	Vertical Force in En. Units.	Total Force in En. Units.
January	17'791	7·9957	18°53'4	2·7269	8·465
February	18·066	·9935	·58·0	·7408	·459
March.....	·129	·9899	·56·9	·7384	·449
April	17·955	·9867	·56·2	·7381	·437
May	·977	·9859	·56·8	·7447	·433
June	·694	·9918	·54·7	·7342	·439
July	·405	·9981	·56·7	·7406	·461
August	·591	8·0006	·58·4	·7452	·457
September	·772	7·9966	·57·6	·7429	·454
October	18·163	·9939	·56·3	·7396	·454
November	·401	·9973	19°03·0	·7583	·462
December	·449	8·0013	·04·8	·7548	·476
Day.....	17·892	7·9954	18·57·8	2·7421	8·447
Night.....	18·008	7·9937	18·57·1	2·7420	8·461
Mean....	17·950	7·9945	18·57·5	2·7420	8·454
Summer.....	17·732	7·9949	18·56·7	2·7409	8·447
Winter	18·167	7·9936	18·58·7	2·7431	8·461
Mean.....	17·950	7·9942	18·57·7	2·7420	8·454
Mean Annual Change..	+0·740	+0·0080	+0·04·4	+0·0122	+0·0102
Diurnal Range.....	2·971	0·0110	0·05·0	0·0105	0·041

SUMMARY OF THE MAGNETIC RESULTS FOR 1860.

THE present Summary has been principally extracted from the Mean Values of all the Magnetic Elements given in the preceding pages. Assuming the values given in the preceding tables as correct, the present Summary indicates the general character of all the magnetic elements at Bombay.

From the constancy of the mid-day maximum of Horizontal Force, and the minimum of Declination in the afternoon, it would appear that the magnetism of the Earth is affected by solar heat.

The Changes that occur during the day-time are quite perceptible, but those of the night are not so; this phenomenum is also extracted from the daily observations of magnetic elements. It also proves that the magnetism is effected by solar heat.

DIURNAL CHANGES.

In the following figures the sign + denotes maximum, and the sign — denotes minimum.

	Göttingen Mean Time.					
Declination.....	+24	−2	+9	−12	+16	−20
Horizontal Intensity	−24	+2	−4	+14	−15	+19
Vertical Intensity	−25	*	*	+15	−19	+23
Deduced Dip	*	*	*	*	+14	−19
Total Intensity	*	*	*	*	+14	−22

It would appear from the signs of the first three elements, that the earth sustains a slight loss of magnetism by solar heat during the day-time, or the movements of magnetic bars are to a small amount altered by solar heat.

TABLE LXI.—*Showing the Changes of all the Magnetic Elements during the Year* 1860, *reduced from the separate Results of each Element in the preceding pages.*

Names of Magnetic Elements.	Diurnal Range.			Periodical Range.			Difference of Absolute Values between Day and Night.		
	Summer.	Winter.	Mean Range.	Summer.	Winter.	Annual Mean.	Day.	Night.	Difference.
Declination ..... (in arc)	0°6′141	0°2′209	0°4′147	0°23912	0°23′980	0°23′946	0°23′900	0 23′992	0°0 092
Horizontal Intensity.. En. Units	0·0175	0·0192	0·0183	8·0419	8·0421	8·0420	8·0445	8·0396	0·0049
Vertical Intensity.... En. Units	0·0056	0·0072	0·0064	2·7905	2·7881	2·7893	2·7888	2·7898	0·0010
Deduced Dip..... (in arc)	0·0 47	0·0·4 7	0·0·4·7	19·7·6	19·7·9	19·7·8	19·6·8	19·8·7	0·01·9
Total Intensity..... En. Units	*	*	*	8·476	8·548	8·512	8·483	8·542	0·059

It would appear from this table, that the Diurnal Ranges of all the magnetic elements (except the Declination) were larger in Winter than in Summer. It was the same case with Periodical changes. Mean Absolute Values of all the elements (except the Horizontal Force) were greater at Night than by the Day-time. Total Force was not actually observed, so that no remarks have been given on that element.

MAGNETIC DISTURBANCES IN 1860.

Observations having been made on all occasions of magnetic disturbances, it is intended to devote a separate description of those days on which they took place.

The Curves of the two elements, Declinometer and Horizontal Force Magnetometer, will at all times indicate the presence of a disturbance, whether it be a small or large one; and they further show that even ordinary disturbances also proceed from the same causes as the large ones.

The effect of a disturbance is always to increase the Declination and to lessen the Horizontal Force, with little or no effect on the Vertical Force.

It has been assumed from these facts, that the disturbing force is effected in a horizontal line, and all disturbances proceed from nearly one direction.

The Time of the Greatest Intensity is supposed to be between noon and 10h. Göttingen mean time.

During the year 1860, twenty-one days were considered to be as abnormal, which were used in finding the effect of the Disturbances on the magnetic elements, none of which were however very great.

TABLE LXII.—*Showing the Disturbed as well as the Normal Values of the several Magnetic Elements on the Disturbance Days.*

Month and Date, 1860.	Declination (in Arc).			Horizontal Force in English Units.			Vertical Force in English Units.			Deduced Dip.			Total Intensity in English Units.		
	Disturbed.	Normal.	Difference.	Disturbed.	Normal.	Difference.	Disturbed.	Normal.	Difference.	Disturbed.	Normal.	Difference.	Disturbed.	Normal.	Difference.
				En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.				E. Un.	E. Un.	En. Un.
February 21	24·367	23·094	1·273	8·0237	8·0357	−·0120	2·7757	2·7877	−·0120	19°5′8	19°8′0	−0°2′2	8·491	8·573	− ·082
„ 22	23·825	23·108	0·717	·0308	·0354	−·0046	·7761	·7877	− 0116	·5·3	·8·0	−0·2·7	·498	·572	− ·074
March... 8	24·525	23·362	1·163	·0377	·0409	−·0032	·7854	·7876	−·0022	·7·2	·7·7	−0·0·5	·508	·538	− ·030
„ 12	23·527	23·412	0·115	·0349	·0397	−·0048	·7926	·7876	+·0050	·10·4	·7·7	+0·2·7	·508	·529	− ·021
„ 28	24·096	23·429	0·667	7·9913	·0371	−·0468	·7816	·7851	−·0035	·11·0	·6·6	+0·4·4	·461	·503	− ·042
„ 29	24·568	23·427	1·141	8·0012	·0371	−·0359	·7832	·7849	−·0017	·10·5	·6·5	+0·4·0	·471	·502	− ·031
April.... 9	24·737	23·400	1·337	·0149	·0364	−·0215	·7897	·7830	+·0067	·11·0	·5·5	+0·5·5	·486	·486	·000
July 1	24 764	24·009	0·755	·0239	·0483	−·0244	·7977	·7947	+ 0030	·12·2	·7·9	+0·4·3	·497	·483	+ ·014
„ 4	25·677	24·002	1·675	·0315	·0486	−·0171	·7884	·7941	−·0057	·7·5	·7·7	−0·0·2	·501	·490	+ ·011
„ 5	25·094	24·000	1·094	·0295	·0487	−·0188	·7878	7940	−·0062	·8·1	·7·6	+0·0 5	·500	·492	+ ·008
„ 12	25·171	23·984	1·187	·0398	·0495	−·0097	·7963	·7912	+·0051	·6·9	·7·0	−0 0·1	·509	·501	+ ·008
August.. 6	25 143	24·232	0·911	·0455	·0449	+·0006	·7885	·7903	−·0018	·7·2	·7·5	−0·0·3	·516	·499	+ ·017
„ 7	25·617	24·244	1·373	·0181	·0447	−·0266	·7900	·7903	− 0003	·11·8	·7·5	+0·4·3	·490	·499	− ·009
„ 8	26 805	24·256	2·549	·0211	·0445	−·0234	·7896	·7903	−·0007	·11·1	·7 5	+0·3·4	·493	·498	− ·005
„ 9	26·277	24·268	2·009	·0294	·0442	−·0148	·7874	·7903	−·0029	9 0	·7·6	+0·1·4	·499	·498	+ ·001
„ 10	26·259	24·270	1·989	·0296	·0440	−·0144	·7804	·7902	−·0101	6·0	·7·6	−0·1 6	·498	·497	+ ·001
„ 11	25·461	24·282	1·179	·0323	·0438	−·0115	·7791	·7902	−·0111	5·1	·7·7	−0·2 6	·499	·496	+ ·003
„ 13	26·052	24·306	1·746	·0264	·0435	−·0169	7824	·7902	−·0078	7·4	·7·7	−0·0·3	·495	·496	− ·001
September. 6	25·332	24·249	1·083	·0233	·0395	−·0162	·7964	·7920	+00 44	·13·0	·8·8	+0·4·2	495	·490	+ ·005
„ 7	24·882	24·215	0·637	·0160	·0394	−·0234	7965	·7920	+ 0045	·13 7	·8·8	+0·4·9	·490	·490	·000
December. 10	25·443	25·120	0·323	·0259	·0430	−·0171	·7868	·7844	+·0024	9·0	·6·5	+0·2 5	·496	·547	− ·051

TABLE LXIII.—*Showing the Mean Effects of the several Disturbances on the Magnetic Elements, compared with the Mean Effect of the Horizontal Intensity.*

Declination (in Arc).	Horizontal Intentensity in English Units.	Vertical Intensity in English Units.	Dip (deduced).	Total Intensity in English Units.	Height.
+0°0′667	—0·0468	—0·0035	+0′4·4	—0·042	1
+0·1·141	—0·0359	—0·0017	+0·4·0	—0·031	1
+0·1·330	—0·0259	+0·0026	+0·4·5	0·000	5
+0·1·356	—0·0148	—0·0044	+0·0·2	—0·009	10
+0·0·726	—0·0030	—0·0026	—0·0·2	—0·029	4

From this table it is inferred that all the Magnetic Elements were not disturbed in the same proportion.

Since in nearly all the Disturbances the Declination was increased and the Horizontal Force lessened, it is inferred that the Disturbing Magnetic Pole is situated in a place, which is not coincident with the Earth's Magnetic Pole. Further this pole acquires or loses its magnetic polarity ; the magnetic elements are therefore effected with this increase or decrease in their polarity.

The position of the Disturbing Pole is determined by using the formulæ described in the preceding volumes.

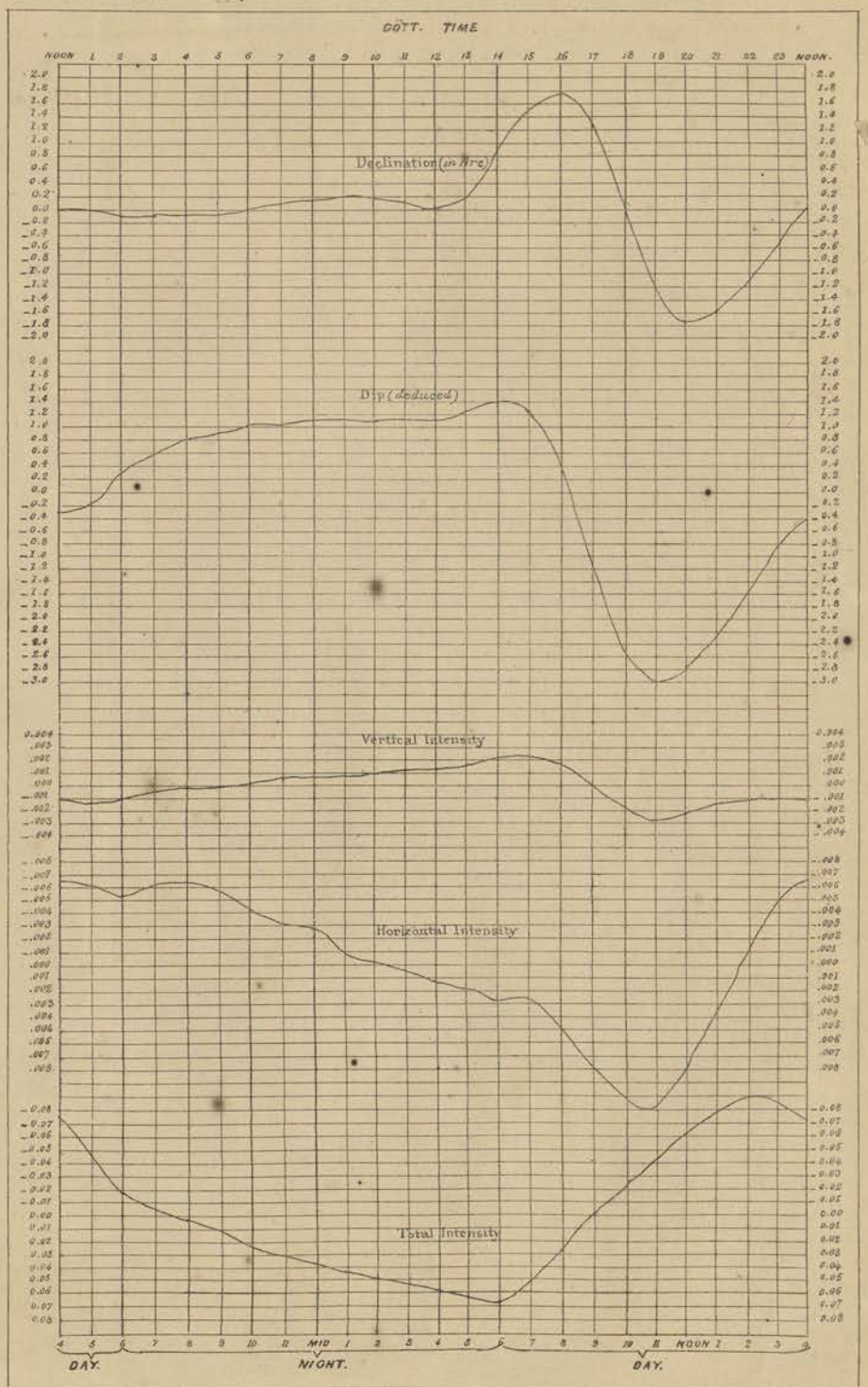
The following positions of the Disturbing Pole are obtained by assuming x and ψ to be respectively equal to 8·00 English Units and 0°24′ East.

$\psi' =$ 1°26′	$\theta =$ 1°61′	$f =$ 0·04696
= 3·54	= 2·42	= 0 03605
= 6·24	= 5·41	= 0 02621
=11.34	=16·13	= 0·01576
=28·40	= 37·9	= 0 00431

In finding out the mean position of the Disturbing Pole, the fifth line given above is omitted, because it is the effect of small disturbances.

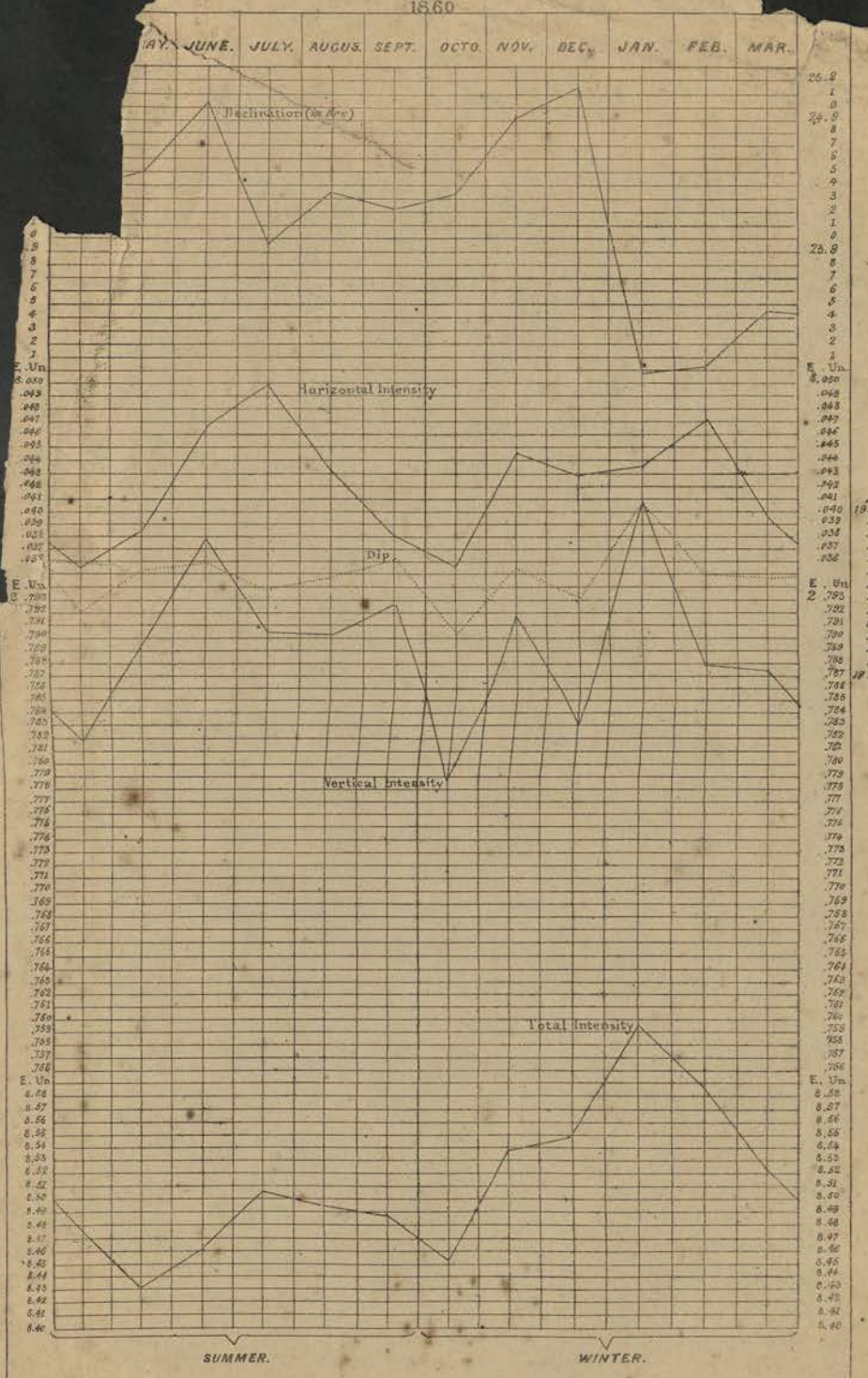
Inclination of the Disturbing Pole	7°13′
Declination of the Disturbing Pole	5·49
Disturbing Force nearly equal to..... ..	0·0312

DIURNAL CHANGES OF THE MAGNETIC ELEMENTS 1860


GOTT. TIME
NOON 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 NOON.
Declination (in Arc)
Dip (deduced)
Vertical Intensity
Horizontal Intensity
Total Intensity
4 5 6 7 8 9 10 11 MID 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4
DAY.
NIGHT.
DAY.

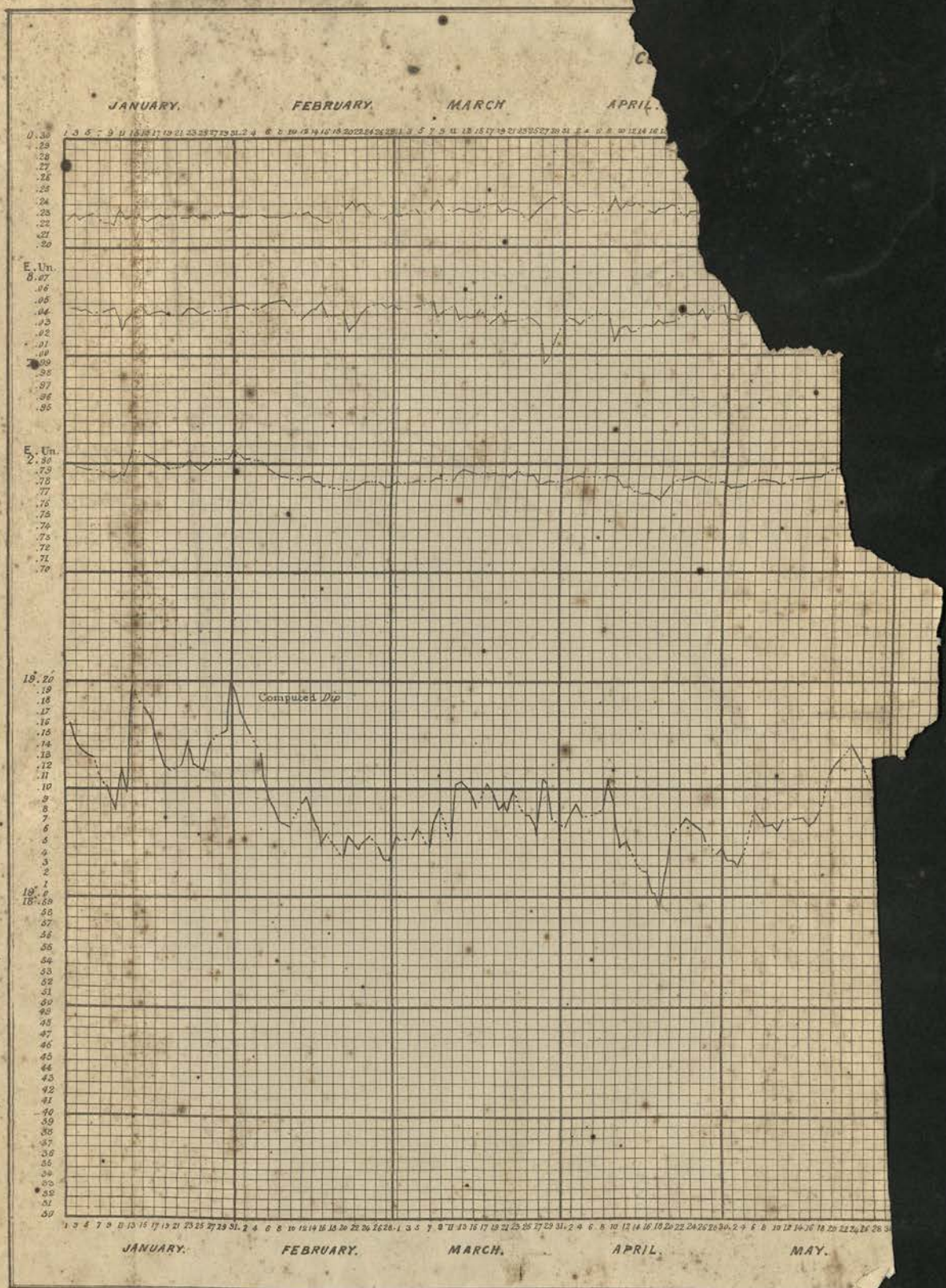
Drawn by Succuram Cojvinathseta.

Curved by Govardhun Lusmun C. 1st Assistant.



Drawn by Succaram Cassinathsett

Curved by Gaverdhan Luxman C.I.E. Assistant



Drawn by Succaram Cassinathsett.

ibiting the principal MAGNETICAL PHENOMENA in the Year 1860.

Carved by Amerdham Lanman & Co. Ft. Assistant

BOMBAY MAGNETICAL OBSERVATORY.

Part II.

METEOROLOGICAL OBSERVATIONS.

1860.

INTRODUCTION TO THE METEOROLOGICAL OBSERVATIONS

FOR 1860.

BAROMETERS.

THROUGHOUT the year 1860, two Standard Barometers (by Newman, of London), marked Nos. 58 and 48, were observed, and the observations of each were duly registered. As both Barometers are exactly of the same construction, and are fixed side by side, in wooden brackets, to the east wall of the Magnetic Observatory, a description of Barometer No. 58, as given in the volume for 1852, will answer for both instruments.

The observations show that both Barometers acted simultaneously throughout the year, and that each reading of Barometer No. 48 is about 0·013 higher than each reading of No. 58, consequently no results were deduced from the former Barometer.

TABLE.—*Showing the Mean Monthly Height of Barometers Nos.* 48 *and* 58, *corrected for Temperature of Mercury and Brass.*

Months, 1860.	Mean Height of Barometer			Months, 1860.	Mean Height of Barometer		
	No. 48.	No. 58.	Difference.		No. 48.	No. 58.	Difference.
	in.	in.	in.		in.	in.	in.
January	22·966	29·953	0·013	July.....	29·644	29·631	0·013
February	·888	·875	·013	August.....	·738	·725	·013
March	·858	·845	·013	September	·748	·735	·013
April	·841	·828	·013	October	·822	·809	·013
May.....	·777	·764	·013	November	·930	·917	·013
June.....	·663	·650	·013	December.....	·933	·919	·014

The verticality of the Barometer is frequently examined.

The height of the surface of the mercury in the cistern above the floor of the Magnetic Observatory is 4 feet 6 inches, and above the mean level of the sea 37·5 feet. This measurement is founded upon levellings made by Professor Pole, of the Elphinstone Institution, in 1845. But in the observations, as also the results of this as well as those of the former years, no correction has been applied on that account.

Every observation of the Barometer has been corrected for Temperature to 32° Fahr., by the application of the corrections contained in the "Tables for Barometers whose Scales are engraved upon Brass," as given in the Royal Society's Report for 1840.

THERMOMETERS.

All the Thermometers during the year 1860 were observed within a shed, which is about 38 feet distant from the SE. angle of the Large Magnetic Observatory. The construction of the shed is described in the volume for 1852.

The Temperature of the Air was determined by one of Newman's Standard Thermometers. It is suspended from the roof of the shed, to about five feet above the ground; a table is placed under it, with a view of preventing any radiation from the surface of the ground affecting its bulb.

The Temperature of the stratum of air in contact with the ground was measured by a common bath Thermometer; it has a brass scale divided to two degrees. The length of 10 degrees is 0·32 inch. Its bulb is 0·41 inch in diameter, and lies exposed to the free currents of air within the Thermometer shed. After the 5th of August 1860, a new Thermometer was used; it has a brass scale divided to one degree; the length of 10 degrees is 0·7 inch; its bulb is 0·52 inch in diameter.

THERMOMETER SUPPOSED TO MEASURE THE AIR CONFINED IN THE OBSERVATORY is the Thermometer attached to the Large Horizontal Force Magnetometer. The bulb is within the box; and it is therefore supposed to measure the Temperature of the confined air induced from the free and external air.

THERMOMETER SUNK NINE INCHES BELOW THE SURFACE OF THE GROUND is exactly similar to that which measures the Temperature of external and free air. The place in which it is sunk is nearly in the centre of the ground within the Thermometer shed; the soil about it is composed of red earth and a portion of decomposed trap gravel.

THERMOMETERS SUNK TWENTY AND SIXTY INCHES BELOW THE SURFACE OF THE GROUND are Mercurial Thermometers, by Newman, the construction of which is given in the Introduction to the volume for 1851, page v.

WET BULB THERMOMETER.—The Temperature of Evaporation was observed with one of the bulbs of Newman's Wet Bulb Thermometer, which is described in the volume for 1854. A gauze-wire cover is placed over the instrument, to prevent birds, &c. disturbing the instrument from the water which is placed near it. The cloth which is kept around the bulb is frequently changed and renewed.

From the Temperature of External and Free Air, and the Temperature of Evaporation, the following quantities have been deduced:—

1. Pressure of Moisture.
2. Humidity of Air.
3. Temperature of Dew-Point.
4. Weight, in grains, of a cubic foot of Air.

5. Weight, in grains, of Moisture in a Cubic Foot of Air.
6. Weight required for complete saturation of a Cubic Foot of Air.
7. Pressure of Dry Air.
8. Evaporation.

The following Table, from which these different quantities were found, has been extracted principally from the Introduction to the Greenwich Magnetical and Meteorological Observations of 1845, and from Hygrometric Tables published by Professor Orlebar in 1846:—

Temperature, Fahr.	Force of Vapour corresponding to the Temperature, Fahr.	Weight of a Cubic Foot of Common Air.			Weight of Moisture in a Cubic Foot of Air.		
		Weight.	Correction.		Weight.	Correction when Weight = 10 grs.	
			Standard Barometer.	Correction.		Depression of Dew-Point.	Correction.
	in.	grs.	in.	grs.	grs.		grs.
40°	0·264	552	29·1	−20	3·1	0°	−0·0
45	0·314	546	·2	−18	3·6	2	−0·0
50	0·374	540	·3	−16	4·3	4	−0·1
55	0·442	534	·4	−14	5·0	6	−0·1
60	0·523	528	·5	−10	5·9	8	−0·2
65	0·617	522	·6	− 8	6·9	10	−0·2
70	0·726	517	·7	− 6	8·0	12	−0·2
75	0·854	511	·8	− 4	9·3	14	−0·3
80	1·001	504	·9	− 2	10·8	16	−0·3
85	1·172	498	30·0	− 0	12·5	18	−0·3
90	1·367	493	·1	+2	14·5	20	−0·4

1. *Pressure of Moisture.*

This quantity was determined by means of Dr. Apjohn's formula, taking the mean yearly barometric pressure = 29·8 inches:—

$$f'' = f' - d \times 0{\cdot}0114\,;$$

In which f'' represents the Pressure of Moisture, or the Force of Vapour at the Temperature of Dew Point;

f' represents the Force of Vapour at the Temperature of Evaporation;
d represents the Depression of Wet Bulb Thermometer.

2. *Temperature of Dew-Point*

Was at once deduced from the Pressure of Moisture, for the Force of Vapour at the Dew-Point is the Pressure of Moisture.

3. *Humidity of Air*

Was found from the Pressure of Moisture and Tension of Vapour, at the temperature of External and Free Air, by means of the following formula, $H = \frac{f''}{f}$; in which H denotes the Humidity of Air, f'' represents the force of Vapour at the temperature of Dew-Point, f represents the Tension of Vapour at temperature of the Air.

4. *Weight, in Grains, of a Cubic Foot of Air*

Was determined by finding the weight at the temperature of External and Free Air, and correcting it for barometric height; the correction for humidity, being small, was neglected.

5. *Weight, in Grains, of Moisture in a Cubic Foot of Air*

Was derived by finding the weight of Moisture at the temperature of Dew-Point, and subtracting from it the proportional correction for the depression of Dew-Point.

6. *Weight required for Complete Saturation of a Cubic Foot of Air*

Was determined by subtracting the weight of Moisture, as obtained by the last method (No. 5), from the weight of Moisture at the temperature of External and Free Air.

7. *Pressure of Dry Air.*

If the pressure of Moisture be subtracted from the height of Barometer corrected for temperature, the remainder is considered to be the pressure of Dry Air.

8. *Evaporation.*

The mean quantity of Evaporation for each day was calculated by subtracting the force of Vapour at the mean temperature of Dew-Point from the force of Vapour at the mean temperature of air for that day.

All these quantities, which have thus been calculated, are given in the Meteorological Results; a detailed account of the method of calculating these elements is given in the preceding volumes.

As an example:—Let the temperature of Air be 80°, the temperature of Evaporation 72°, and the height of Standard Barometer (corrected) 29·7 in.; required the different quantites.

1. Pressure of Moisture	0·684
2. Temperature of Dew-Point	68·01
3. Humidity of Air	0·68
4. Weight of a Cubic Foot of Air	4·98 gr.
5. Weight of Moisture in a Cubic Foot of Air	7·3 gr.
6. Weight of Water required for complete saturation of a Cubic Foot of Air	3·5 gr.
7. Pressure of Dry Air	29·016 in.
8. Quantity of mean Evaporation in 24 hours =	0·316 in.

The Direction of Wind

Is self-registered by one of Newman's Anemometers, moved by a pendulum clock, which is fixed in the western wall of the Transit-Room in the Astronomical Depart-

ment. The Force of Wind is also registered by a pencil, connected by means of a copper wire, &c. with a sheet of copper-plate placed immediately beneath the vane. The paper upon which the direction and force of wind are registered is changed every day at noon.

The Force of the Wind on all ordinary occasions

Is measured at each hourly observation by estimation, or by Lynd's Wind Gauge. The tube is of equal diameter with the orifice where the wind enters, and the pressure of the wind, corresponding to the height at which the column of water rises, is ascertained by the table given in the Report of the Committee of the Royal Society for 1840, page 84.

All high winds, such as storms, gusts, or any pressure exceeding two pounds, were taken from the register made by the pressure-plate of Osler's Self-Registering Wind Gauge.

Rain

Was measured by two Rain Gauges, marked No. 1 (Newman's) and No. 2 (Osler's).

Rain Gauge No. 1, or Newman's, is a copper funnel, whose diameter is twelve inches; its exposed area consequently is 113 square inches. The water passes into a cylinder and raises a copper float, to which a deal rod, graduated to 0·01 of an inch, is fixed, and held upright by means of a light brass rod placed horizontally across the upper rim of the funnel.

The Rain Gauge No. 2 is connected with Osler's Anemometer. It is about 65 feet above the mean level of the sea, and it exposes to the rain an area of 200 square inches, as its horizontal dimensions are 10 by 20 inches. Its surface is 6 feet above the outside of the roof of the Transit room of the Astronomical Observatory. A quarter of an inch by glass receiver is equal to 29·94 ounces by measure.

For a description of the Rain Gauges and Anemometers, see the Introduction to the volume for 1848.

Weather.

The whole sky covered with clouds is estimated as 8, and the complete absence of clouds as "clear." The motion of the clouds is determined as follows. The walls of the Magnetical Observatory are in the meridian and prime vertical, so that when a cloud is passing the zenith, the observer takes his stand at one of the angles of the Observatory, and at once determines its motion relative to the position of the Observatory.

The nomenclature adopted is that of Mr. Howard, with some combinations, set down under the following symbols:—

Cirrus.	Cumulo-stratus.	Hem. Hemisphere.
Cumulus.	Nimbus.	Hor. Horizon.
Stratus.	Cirri.	Zth. Zenith.
Cirro-cumulus.	Cumuli.	H. Hour.
Cirro-stratus.	Strati.	M. Minute.
		S. Second.

TIDAL OBSERVATIONS.

These are registered by a self-registering apparatus, moved by a pendulum clock, which is fixed upon a strong wooden table, in a small building to the east of the Observatory compound (enclosure), close to the sea-shore.

The position of the Tide-house with respect to the Harbour, the nature of the ground from the tide-house to the sea-water, the character of iron siphon pipes, the dimensions of the well in which the iron pipes are immersed, and the position of self-registering apparatus, are all described in the volume for 1848.

This Instrument has been many years in use and work under many disadvantages, as the cocks often get out of order, and during the present year from 26th July the Tidal apparatus was under repairs.

ELECTRICAL APPARATUS.

The Electrical House adjoins the Magnetical Observatory on the eastern side, to which communication is had by a venetian door; it is 10 feet square in the interior, and 41 feet high to the eaves of the roof; the walls are of red brick, and gradually diminish in thickness at each story as the building ascends; they are two feet thick at the first floor, and plastered both inside and out. All explanations relative to the house and instruments therein having been given in the volume for 1857, it is not necessary to repeat them here.

The whole apparatus in use consists of the following instruments: two Volta Electrometers, denoted by Nos. 1 and 2; a Henly's Electrometer; a Ronald's Spark Measure; and a Bennet's Gold-Leaf Electrometer.

BOMBAY GOVERNMENT OBSERVATORY.

METEOROLOGICAL OBSERVATIONS.

1860.

Bombay Civil Time. 1860.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in which the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Jan. 3rd-Midnight	29.899	29.454	65°4	59°4	6°0	55°2	0.71	66°8	72°7	ENE	0.1		+	3		Above 10m.
1 a. m.	.899	.452	65.0	59.3	5.7	55.3	.72	66.7	72.5	„	0·1		+	2		Above 10m.
2 „	·887	.425	64.2	59.5	4.7	56.3	.77	66.0	72.2	„	0·1		+	3		Above 10m.
3 „	.879	.423	64.0	59.2	4.8	55.9	.76	65.7	72.0	„	0.1		+	2		Above 10m.
4 „	.872	.400	63.9	59.7	4.2	56.9	.79	65·0	71.7	E b N	0.1		+	1		Above 10m.
5 „	.893	.453	63.6	58.3	5.3	54.5	.74	64.9	71.6	E	0.1		+	2		2.35
6 „	.915	.465	64.0	59.0	5.0	55.5	.75	64.5	71.5	„	0.1		+	3		3.19
7 „	.943	.475	65.0	60.0	5.0	56.6	.76	65.5	71.4	E b N	0.1		+	1		Above 10m.
8 „	.965	.491	67.6	61.2	6.4	57.0	.71	67.6	71.5	NNE	0·1		+	4		4.18
9 „	.990	.505	70.3	62.6	7.7	57.7	.69	70.0	72.2	E b N	0.1		+	2		Above 10m.
10 „	.988	.498	72.4	63.5	8.9	58.0	.61	71.9	72.5	E•	0.1		+	2		Above 10m.
11 „	.971	.432	75.0	66.0	9.0	60.9	.63	74.1	72.8	„	0.1		+	2		Above 10m.
Noon.	.935	.424	77.5	66.0	11.5	59.3	.56	76.0	73.5	NE	0·1	None.	+	3		Above 10m.
1 p. m.	.892	.374	78.4	66.5	11.9	59.7	.54	76.5	73.5	NW	0.1		+	1		Above 10m.
2 „	.870	.371	79.2	66.2	13.0	58.6	.51	77.7	74.0	„	0·1		+	1		Above 10m.
3 „	.860	.367	79.2	66.0	13.2	58.2	.50	77.4	74.2	„	0·1		+	3		Above 10m.
4 „	.867	.340	79.0	67.0	12.0	60.2	.54	77.7	73.7	„	0·1		+	2		Above 10m.
5 „	.878	.309	76.4	67.4	9.0	62.5	.64	76.0	74.0	NW b N	0·3		+	5		2.30
6 „	.893	.307	74.0	67.4	6.6	63.4	.72	73.5	74.5	NNW	0·1		+	15	15	0.50
7 „	.906	.305	72.8	67.2	5.6	64.1	.76	72.8	75.0	„	0.2		+	15	15	0.40
8 „	.914	.310	72.0	67.0	5.0	64.3	.78	72.3	75.0	„	0.1		+	8	6	Above 10m.
9 „	.931	.297	70·8	67.5	3.3	65.8	.85	71.5	74.8	„	0.1		+	20	20	1.20
10 „	.932	.371	68.4	64.4	4.0	62.1	.81	70.2	74.6	„	0.1		+	Out of Sc.	26	2.10
11 „	.913	.366	67.2	63.5	3.7	61.3	.82	69.0	74.4	„	0.1		+	Out of Sc.	25	1.30
Jan. 4th-Midnight	.903	.324	67.0	64.5	2·5	63.0	.88	68.8	74.2	NNW•	0.0		+	Out of Sc.	35	1.20
1 a. m.	.890	·316	66.1	64.0	2.1	62.8	.90	68.0	74.0	„	0.0		+	Out of Sc.	20	Above 10m.
2 „	·880	.335	66.0	63.0	3.0	61.2	.85	67.7	73.7	„	0.0					
3 „	.877	.295	65.4	64.0	1.4	63.2	.93	67.0	73.5	„	0.0		+	2		Above 10m.
4 „	.873	.361	66.3	62.0	4.3	59.3	.79	67.6	73.6	N	0.1		+	3		5.10
5 „	·886	.349	66.2	62.8	3.4	60.8	.84	67.6	73.6	„	0.1		+	4		Above 10m.
6 „	.903	.424	65.6	60.6	5.0	57.3	.76	67.1	73.4	N b E	0.2		+	3		Above 10m.
7 „	.930	.440	65.6	61.0	4.6	58.0	.78	67.0	73.4	NNE	0.3		+	3		Above 10m.
8 „	·960	.439	68.2	63.0	5.2	59.9	.76	68.2	73.3	„	0.4		+	2		Above 10m.
9 „	.984	.435	71.2	65.0	6.2	61.4	.73	70.0	73.5	NE b N	0.3		+	4		Above 10m.
10 „	.987	.450	73.4	65.4	8.0	60.8	.66	71.4	73.6	NE	0·2		+	4		Above 10m.
11 „	.968	.444	75.8	65.8	10.0	60.0	.60	73.0	73.8	„	0·3		+	3		Above 10m.
Noon.	.944	.462	77.8	65.2	12.6	57.5	.52	74.2	74.2	„	0.1		+	3		Above 10m.
1 p. m.	.908	·493	81.9	64.5	17.4	53.1	.39	76.6	74.5	„	0.1	None.				
2 „	.888	.553	83.3	62.4	20·9	46.8	.30	77·8	74.9	NNE	0·1		+	2		Above 10m.
3 „	.880	.228	83.2	72.0	11.2	66.6	.59	76.5	75.0	WNW	0.1		+	2		Above 10m.
4 „	.886	.243	80.7	71.0	9.7	66.2	.63	77.8	75.0	„	0.2					
5 „	.893	.266	77.8	69.6	8.2	65.4	.67	76.6	75.2	„	0.3					
6 „	·901	.244	75.6	69.8	5.8	66.9	.76	75.5	75.1	„	0·1					
7 „	.924	.251	74.2	69.8	4.4	67.6	.81	74.4	75.0	NW	0·1					
8 „	.948	.252	73.4	70.2	3.2	68.6	.86	73.9	75.0	„	0·1					
9 „	.958	.340	72.2	67.5	4.7	65.0	.79	73.0	74.8	NW b N	0·1					
10 „	.960	.405	70.6	65.0	5.6	61.8	.75	72.0	74.6	„	0.1					
11 „	.951	.467	68.8	62.0	6.8	57.6	.69	70.8	74.4	NNW	0·2					
Jan. 5th-Midnight	.946	.446	67.4	62.0	5.4	58.6	.75	69.0	74.2	NNW	0.0		+	3		Above 10m.
1 a. m.	.929	.371	66.4	63.6	2.8	61.9	.86	68.4	74.0	„	0.0		+	3		Above 10m.
2 „	.922	.364	66.4	63.6	2.8	61.9	.86	68.1	73.9	„	0.0		+	3		1.20
3 „	.917	.379	65.3	62.5	2.8	60.8	.86	67.0	73.7	„	0.0		+	1		Above 10m.
4 „	.920	.419	64.6	61.0	3.6	58.7	.82	66.6	73.5	„	0.0		+	1		Above 10m.
5 „	.925	.417	64.0	61.0	3.0	59.1	.85	66.0	73.3	„	0.0		+	1		Above 10m.
6 „	.952	.444	64.0	61.0	3.0	59.1	.85	66.2	73.1	„	0.0	None.	+	22	22	0.15
7 „	.974	.426	65.7	63.0	2.7	61.4	.87	67.1	73.1	N b E	0.0		+	4		Above 10m.
8 „	30.002	.490	69.0	63.0	6.0	59.3	.73	69.0	73.5	„	0·3		+	3		Above 10m.
9 „	.022	.555	70.4	62.0	8.4	56.6	.63	69.4	73.6	NNE	0·1		+	1		Above 10m.
10 „	.028	.541	72.7	63.5	9.2	57.8	.62	70.9	73.8	„	0.1		+	2		Above 10m.
11 „	.004	.547	75.4	63.5	11.9	55.9	.53	73.6	73.8	„	0.1		+	2		Above 10m.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≤≤ cirro-cumuli; ⌒ cumuli; ⌒≤ cirro-strati; ⌒⌒ cumulo-strati; and ≤⌒ nimbi.	
0	H	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 78°5 and 82°3. The reading of barometer at 3 P. M. was 29·860 in. least during the month and about 0.034 in. less than the normal mean.
0	R	"	
0	R	"	
0	R	"	
0	R	"	
0	B	"	
0	B	A few ≤ along E hor.	
1	B	≤ scattered from E to SW hor.; mist and fog in hor.	
1	B	" " " "	
1	H	" " " "	
0	H	A few ≤ from E to WSW hor.; mist and fog in hor.	
2	H	≤ scattered around hor.; light mist in hor.	
2	H	≤ scattered here and there; mist in hor.	
3	R	≤ scattered about the sky.	
3	R	≤ and patches of ≤≤ scattered about.	
2	R	≤ and ≤≤ scattered about hor.	
1	R	" "	
0	L	A few ≤ scattered along E hor.	
0	L	Clear.	
0	L	"	
0	L	"	
0	H	Clear; dew falling.	
0	H	" "	
0	H	" "	
0	H	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 78°2 and 82°4.
0	R	" "	
0	R	" "	
0	R	" "	
0	R	" "	
0	L	" "	
0	L	Clear.	
0	L	Mist and fog in hor.	
0	L	" "	
0	H	A few ≤ in E hor; fog and mist in hor.	
0	H	" " "	
0	H	" " "	
0	H	≤ along E hor.; mist in WNW hor.	
0	R	A few ≤ from NE to SW hor.	
0	R	" " "	
1	R	≤ scattered around hor., except in N.	
1	R	≤ scattered along W hor.	
1	L	A few ≤ above SW and W hor.	
0	L	" "	
0	L	" "	
0	L	Clear; dew falling.	
0	H	" "	
0	H	" "	
0	H	" "	
0	H	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 78°0 and 82°2.
0	R	" "	
0	R	" "	
0	R	" "	
0	R	" "	
0	L	" "	
0	L	" "	
0	L	Mist; fog in hor.	
0	L	" "	
0	H	A few ≤ above S hor.; fog and mist in hor.	
0	H	" " "	
0	H	A few ≤ in S hor.; light mist in hor.	

Bombay Civil Time. 1860.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Jan. 5th-Noon.	29.960	29.439	78°7	66°7	12°0	59°9	0.54	74°6	74.0	NNE	0.1		+	2		Above 10m.
1 p. m.	.926	.406	79.6	67.0	12.6	59.8	.53	75.5	74.5	WNW	0.1		+	2		Above 10m.
2 „	.896	.366	80.2	67.5	12.7	60.4	.52	76.5	74·7	„	0.2		+	1		Above 10m.
3 „	.889	.325	80.7	68.7	12.0	62.2	.55	77.2	74.8	„	0.3		+	1		Above 10m.
4 „	.893	.299	80.1	69.4	10.7	63.8	.59	77.1	75.0	W b N	0.5		+	1		Above 10m.
5 „	.895	.250	77.4	70.0	7.4	66.4	.70	76.2	74.8	WNW	0·4		+	2		Above 10m.
6 „	.905	.216	75.2	70.6	4.6	68.3	.80	75.0	74.6	NW b W	0.2		+	8		0.30
7 „	.928	.231	74.2	70.5	3.7	68.7	.84	74.3	74.5	NW b N	0.2·	None.	+	8		0.50
8 „	.944	.289	73.4	69.0	4.4	66.8	.81	73.8	74.4	N	0·6		+	4		1.30
9 „	.965	.335	72.6	68.0	4.6	65.6	.80	73.0	74.4	NNW	0.4		+	3		Above 10m.
10 „	.966	.340	70.6	67.2	3.4	65.4	.85	72.1	74.4	N	0.2		+	Out of Sc.	25	1.30
11 „	.962	.357	69.0	66.0	3.0	64.4	.86	71.0	74.2	„	0.1		+	4		4.40
Jan. 6th-Midnight	.958	.351	68.8	66.0	2.8	64.5	.87	70.8	74.0	NNW	0.0		+	3		3.40
1 a. m.	.945	.327	68.4	66.2	2.2	65.0	.90	70.0	73.8	„	0·0		+	2		Above 10m.
2 „	.932	.313	67.7	66.0	1.7	65.1	.92	69.8	74.2	„	0.0		+	3		Above 10m.
3 „	.935	.357	66.6	64.3	2.3	63.0	.89	69.0	74.0	„	0.0		+	2		Above 10m.
4 „	.935	.382	65.3	63.0	2.3	61.6	.89	68.0	73.8	„	0.0		+	1		Above 10m.
5 „	.938	.371	65.6	63.6	2.0	62.4	.90	67.7	73.6	N b W	0.0		+	1		Above 10m.
6 „	.954	.419	65.8	62.6	3.2	60.6	.85	67.7	73.5	N	0.0		+			Above 10m.
7 „	.984	.433	66.0	63.2	2.8	61.5	.86	67.9	73.5	N b E	0.0		+	2		Above 10m.
8 „	30.001	.413	68.2	65.2	3.0	63.5	.86	69.0	73.7	NNE	0.1		+	1		Above 10m.
9 „	.012	.498	69.0	63.4	5.6	59.6	.75	69.1	73.7	„	0.1		+	3		Above 10m.
10 „	.062	.542	71.0	64.0	7.0	59.8	.69	70.4	73.8	„	0·1		+	7		Above 10m.
11 „	.038	.497	73.5	65.5	8.0	60.9	.67	71.8	73.8	„	0·1	None.	+	2		Above 10m.
Noon.	29.955	.395	76.0	67.0	9.0	62.0	.64	73.4	74.0	WNW	0.1		+	2		Above 10m.
1 p. m.	.922	.292	77.2	69.5	7.7	65.6	.69	74.6	74.2	NW	0.4		+	1		Above 10m.
2 „	.895	.250	78.3	70.3	8.0	66.3	.68	75.6	74.4	„	0.6		+	1		Above 10m.
3 „	.880	.221	78.3	70.7	7.6	67.0	.70	76.0	74.5	WNW	0.8		+	1		Above 10m.
4 „	.890	.260	77.2	69.5	7.7	65.6	.69	75.8	74.7	„	1.3		+	1		Above 10m.
5 „	.894	.257	74.4	68.8	5.6	65.9	.76	74.2	74.7	„	1.0		+	1		Above 10m.
6 „	.905	.275	72.6	68.0	4.6	65.6	.80	73.0	74.6	„	1.0		+	1		Above 10m.
7 „	.924	.291	71.8	67.8	4.0	65.7	.82	72.4	74.6	NW b W	1.0		+	1		Above 10m.
8 „	.945	.328	71.4	67.2	4.2	65.0	.81	72.1	74.6	NW b N	0.8		+	1		Above 10m.
9 „	.955	.351	71.0	67.0	4.0	64.3	.78	72.0	74.5	NW	0.6		+	1		Above 10m.
10 „	.961	.358	69.2	66.0	3.2	64.3	.85	70.6	74.2	N b W	0.4		+	1		Above 10m.
11 „	.942	.343	67.8	65.4	2.4	64.1	.89	70.0	73.8	„	0·1		+	9	7	1.40
Jan. 7th-Midnight	.933	.330	67.4	65.4	2.0	64.3	.90	69.4	74.0	N b W	0.0		+	4		2.44
1 a. m.	.922	.329	66.6	64.8	1.8	63.8	.91	68.7	73.8	„	0.0		+	3		Above 10m.
2 „	.905	.306	66.6	65.0	1.6	64.1	.92	68.4	73.7	„	0.0		+	2		Above 10m.
3 „	.896	.315	66.3	64.3	2.0	63.1	.90	68.0	73.5	„	0.0		+	1		Above 10m.
4 „	.899	.320	65.6	64.0	1.6	63.0	.92	67.6	73.4	„	0.0		+	1		Above 10m.
5 „	.909	.335	65.2	63.7	1.5	62.8	.93	67.2	73.3	„	0.2		+	1		Above 10m.
6 „	.921	.356	64.7	63.2	1.5	62.3	.93	66.7	73.3	„	0.2		+	4		1.16
7 „	.950	.374	64.6	63.5	1.1	62.9	.94	66.5	73.2	N	0·1		+	5		2·29
8 „	.971	.380	67.4	65.0	2.4	63.7	.89	67.9	73.2	N b W	0.1		+	4		3.05
9 „	.987	.393	70.0	66.0	4.0	63.8	.82	69.4	73.4	NNE	0.1		+	9	7	3.40
10 „	.987	.376	71.4	67.0	4.4	64.7	.80	70.4	73.5	„	0.1	None.	+	5		4·20
11 „	.971	.330	74.6	69.0	5.6	66.1	.76	72.4	73.8	NW b N	0.1		+	2		Above 10m.
Noon.	.945	.283	75.8	70.0	5.8	67.1	.76	73.4	74.0	„	0.1		+	1		Above 10m.
1 p. m.	.912	.251	76.6	70.2	6.4	67.1	.74	74.5	74.2	NW	0.8		+	1		Above 10m.
2 „	.892	.225	76.6	70.4	6.2	67.3	.74	74.7	74.3	„	0.6		+	1		Above 10m.
3 „	.886	.246	76.6	69.6	7.0	66.1	.71	74.9	74.5	NW b W	1·0		+	1		Above 10m.
4 „	.881	.255	76.0	69.0	7.0	65.4	.71	74.9	74.6	„	0.6		+	1		Above 10m.
5 „	.878	.311	74.2	66.6	7.6	62.4	.68	74.0	74.6	„	0.8		+	2		Above 10m.
6 „	.884	.308	72.2	66.2	6.0	62.9	.74	72.6	74.5	„	0.4		+	1		Above 10m.
7 „	.897	.287	72.0	67.2	4.8	64.6	.79	72.2	74.4	NW	0.5		+	1		Above 10m.
8 „	.913	.317	71.6	66.6	5.0	63.9	.78	72.0	74.3	NW b N	0·3					
9 „	.917	.350	71.0	65.5	5.5	62.4	.75	71.6	74.1	NW	0.1					
10 „	.918	.370	69.3	64.3	5.0	61.4	.77	70.2	74.0	NW b N	0.0		+	2		1.35
11 „	.913	.392	68.2	63.0	5.2	59.9	.76	69.8	73.9	NNW	0·0		+	1		Above 10m.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are : ≤ cirri ; ≤≤ cirro-cumuli ; ⌒ cumuli ; ⌒≤ cirro-strati ; ⌒⌒ cumulo-strati ; and ≤⌒ nimbi.	
0	H	A few ≤ in S hor. ; light mist in hor.	
0	R	A few ≤ in S, SW, and W hor. ; light mist from W to NNE hor.	
0	R	A few ≤ from S to W hor.	
0	R	" "	
0	R	" "	
0	L	Clear.	
0	L	"	
0	L	"	
0	L	"	
0	H	"	
0	H	Clear ; dew falling.	
0	H	" "	
0	H	Clear ; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 77°9 and 82°1.
0	R	" "	
0	R	" "	
0	R	" "	
0	R	" "	
0	L	" "	
0	L	" "	
0	L	Mist ; fog in hor.	
0	L	" "	
0	H	" "	
0	H	A few ≤ in S hor. ; fog and mist in hor.	
0	H	A few ≤ in S hor. ; light mist in WNW hor.	
0	H	A few ≤ in S hor. ; mist not visible.	
0	R	A few ≤ in S hor.	
0	R	" "	
0	R	" "	
0	R	A few pieces of ≤≤ and ≤ in SE and S hor.	
0	L	A few ≤ in SE hor.	
0	L	Clear.	
0	L	"	
0	L	"	
0	H	"	
0	H	Clear ; dew falling.	
0	H	" "	
0	H	Clear ; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 77°8 and 82°2.
0	R	" "	
0	R	" "	
0	R	" "	
0	R	" "	
0	B	" "	
1	B	≤ scattered from E to SW hor.	
0	B	A few ≤ above S hor. ; mist and fog in hor.	
0	B	Mist and fog in hor.	
1	H	Clouded with ≤ from N to ESE hor. ; fog and mist in hor.	
1	H	≤ scattered in E and W hor. ; light mist in hor.	
2	H	Dense and light ≤ scattered around hor.	
1	H	≤ scattered along E hor. and in W hor.	
1	R	≤ scattered from E to SW hor.	
1	R	" "	
1	R	" "	
1	R	" "	
0	L	A few ≤ in E and SE hor.	
0	L	Clear.	
0	L	"	
0	B	"	
0	B	"	
0	B	"	
0	B	"	

Bombay Civil Time. 1860.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Jan. 9th-Midnight	29.951	29.307	69°6	67°4	2°2	66°3	0.90	70°7	74°2	NW b N	0.0					
1 a. m.	.941	.368	69·0	65.0	4.0	62.7	.81	71.0	74.0	„	0.0					
2 „	.922	.403	68·2	63.2	5.0	59.7	.77	70.0	74.0	NNW	0.0					
3 „	.907	.379	66.4	62.6	3.8	60.3	.82	69.0	73.7	„	0.0					
4 „	.912	.379	65.5	62.4	3.1	60.5	.85	68.0	73.5	„	0.0					
5 „	.928	.375	65.8	63.2	2.6	61.6	.87	67.8	73.5	„	0.0					
6 „	.949	.399	65.5	63.0	2.5	61.5	.88	67.3	73.3	„	0.0					
7 „	.975	.441	64.8	62.2	2.6	60.6	.87	67.0	73.2	„	0.0					
8 „	.998	.425	69.0	65.0	4.0	62.7	.81	68.8	73.4	NNE	0.1					
9 „	30.014	.459	71.2	65.2	6.0	61.8	.73	70.6	73.5	„	0.2					
10 „	.019	.449	73.4	66.4	7.0	62.6	.70	71.9	73.7	„	0.1					
11 „	29.997	.355	76.0	69.5	6.5	65.7	.73	73.7	73.9	„	0.1					
Noon.	.961	.416	80.4	68.0	12.4	61.2	.53	76.4	74.2	WNW	0.1	None.			None.	
1 p. m.	.928	.262	79.9	71.4	8.5	67.3	.67	76.5	74.5	NW b W	0.2					
2 „	.897	.187	80.6	72.8	7.8	69.3	.70	77.4	74.6	NW	0.6					
3 „	.891	.164	80.4	73.2	7.2	70.0	.72	77.7	74.9	NW b W	0.8					
4 „	.890	.200	79.1	71.8	7.3	68.4	.71	77.2	75.0	NW	1.0					
5 „	.895	.218	76.4	70.6	5.8	67.8	.76	76.0	75.2	„	1.0					
6 „	.904	.256	74.0	69.0	5.0	66.5	.78	74.3	75.0	„	1.0					
7 „	.923	.263	73.6	69.2	4.4	67.0	.81	73.8	75.0	„	1.5		+	2		Above 10m.
8 „	.941	.368	73.0	66.4	6.6	62.7	.72	73.2	74.9	„	1.5		+	2		Above 10m.
9 „	.963	.418	71.8	65.1	6.7	61.2	.71	72.4	74.7	NW b N	0.7		+	3		Above 10m.
10 „	.960	.419	70.2	64.4	5.8	61.0	.74	71.0	74.4	„	0.7		+	3		Above 10m.
11 „	.955	.401	69.6	64.6	5.0	61.7	.73	70.7	74.2	„	0.5		+	2		Above 10m.
Jan. 10th-Midnight	.931	.357	69·5	65.2	4.3	62.8	.81	70.7	74.4	NW b N	0.2		+	9	7	2·14
1 a. m.	.929	.355	68.9	65.0	3.9	62.8	.82	70.0	74.3	„	0.1		+	3		Above 10m.
2 „	.910	.335	68.8	65.0	3.8	62.8	.83	69.9	74.2	NNW	0.1					
3 „	.905	.377	67.5	63.0	4.5	60.3	.79	69.2	74.1	„	0.1					
4 „	.907	.399	66.6	62.0	4.6	59.1	.78	68.5	73.9	„	0.1					
5 „	.908	.422	66.0	61.0	5.0	57.8	.76	68.0	73.8	„	0.1					
6 „	.930	.466	65.4	60.0	5.4	55.4	.74	67.2	73.6	N b W	0.1					
7 „	.954	.457	65.0	61.0	4.0	58.4	.81	67.0	73.5	NNW	0.1		+	1		Above 10m.
8 „	.970	.419	68.2	64.0	4.2	61.5	.81	68.5	73.5	N b W	0.1		+	1		Above 10m.
9 „	.988	.415	71.9	66.0	5.9	62.7	.74	70.5	73.7	NE b N	0.1					
10 „	.986	.407	74.3	67.0	7.3	63.0	.69	72.3	73.8	NNE	0·1					
11 „	.963	.367	77.2	68.5	8.7	63.9	.65	74.4	74.2	WNW	0.2					
Noon.	.937	.323	78.0	69.3	8.7	64.8	.65	75.4	74.4	„	0.3	None.				
1 p. m.	.901	.248	79.8	71.0	8.8	66.7	.66	76.4	74.6	NW	0·5					
2 „	.875	.197	80.8	72.0	8.8	67.8	.66	77.3	74.7	„	0.3		+	1		Above 10m.
3 „	.871	.188	80.4	72.0	8.4	68.1	.67	77.7	75.0	„	0.4		+	1		2.50
4 „	.873	.195	79.9	71.7	8.2	67.8	.68	77.6	75.2	NW b W	0.3		+	7	7	6.30
5 „	.884	.207	77.0	70.8	6.2	67.8	.75	76.3	75.3	„	0.8		+	2		Above 10m.
6 „	.890	.215	74.6	70.0	4.6	67.7	.80	74.8	75.1	NW	1.0		+	9	8	2.00
7 „	.904	.244	73.6	69.2	4.4	67.0	.81	73.9	75.0	NW b W	0.8		+	1		Above 10m.
8 „	.931	.267	73.2	69.2	4.0	67.3	.82	73.7	75.0	NW	0.6		+	1		Above 10m.
9 „	.945	.278	72.3	69.0	3.3	67.3	.85	72.1	74.9	„	0.2					
10 „	.940	.322	70.7	67.0	3.7	65.0	.83	72.0	74.7	NW b N	0·2		+	1		Above 10m.
11 „	.925	.345	69.9	65.5	4.4	63.1	.80	71.3	74.6	„	0.1		+	4		4.40
Jan. 11th-Midnight	.917	.325	69.3	65.7	3.6	63.7	.83	70.7	74.5	N b W	0.1		+	20	20	4.50
1 a. m.	.907	.309	69.6	66.0	3.6	64.0	.84	71.0	74.7	„	0.1		+	Out of Sc.	25	3.39
2 „	.893	.315	70.0	65.5	4.5	63.0	.80	71.0	74.6	NNE	0.1		+	7	5	4.20
3 „	.879	.320	71.4	65.4	6.0	62.0	.73	71.3	74.7	N b E	0.1		+	1		Above 10m.
4 „	.883	.321	71.0	66.0	5.0	62.1	.78	71.2	74.6	NNE	0.4		+	1		
5 „	.889	.346	70.6	64.6	6.0	61.1	.73	70.8	74.5	„	0.5					
6 „	.909	.395	69.7	63.3	6.4	59.4	.72	70.2	74.3	„	0.8					
7 „	.931	.400	70.0	64.0	6.0	60.4	.73	70.1	74.1	„	0.6	None.				
8 „	.947	.446	71.6	63.6	8.0	58.7	.65	71.1	74.2	„	0.5					
9 „	.971	.480	75.1	64.5	10.6	58.1	.57	73.0	74.4	„	0.2					
10 „	.971	.465	76.6	65.5	11.1	59.0	.56	74.4	74.4	„	0.5					
11 „	.954	.418	79.4	67.4	12.0	60.7	.54	76.4	74.7	„	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∖i cirri; ⋀i cirro-cumuli; ⌒i cumuli; ⌒∖i cirro-strati; ⌒i cumulo-strati; and ⋀∖i nimbi.	
0	R	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 77°7 and 82°0.
0	H	" "	
0	H	" "	
0	H	" "	
0	H	" "	
0	B	" "	
0	B	" "	
0	B	Mist and fog in hor.	
0	B	" "	
0	H	" "	
0	H	" "	
0	H	" "	
0	H	" "	
0	H	Clear.	
0	R	"	
0	R	A few light ∖i in S hor.	
0	R	Clear.	
0	R	"	
0	L	"	
0	L	"	
0	L	"	
0	L	"	
0	H	"	
0	H	"	
0	H	"	
0	H	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 77°5 and 81°8.
0	R	"	
0	R	"	
0	R	"	
0	R	"	
0	L	"	
0	L	"	
0	L	Mist and fog in hor.	
0	L	" "	
0	H	" "	
0	H	" "	
0	H	" "	
0	H	Light mist along W hor.	
0	R	Clear.	
0	R	"	
0	R	"	
0	R	"	
0	L	"	
0	L	"	
0	L	"	
0	L	"	
0	R	"	
0	R	"	
0	R	"	
0	R	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 77°5 81°7. The temperature of external and free air at 3 P. M. on this day was 88·0 greatest in the month.
0	H	Clear; dew falling.	
0	H	" "	
0	H	" "	
0	H	Clear.	
0	L	"	
0	L	"	
0	L	Mist and fog in hor.	
0	L	" "	
0	R	" "	
0	R	" "	
0	R	Light mist along W hor.	

11th January was the 2nd cloudless day during this month.

Bombay Civil Time. 1860.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of ● Scale of Volts 1.	Readings of ● Scale of Volts 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
JAN. 11TH-Noon.	29.926	29.357	82°4	69°4	13°0	62°5	0.52	78°0	75°2	„	0.1					
1 p. m.	.896	.361	84.2	69.0	15.2	60.6	.47	79.0	75.5	„	0.1					
2 „	.877	.465	86.4	66.0	20.4	52.9	.33	80.5	75.7	„	0.1					
3 „	.864	.438	88.0	67.0	21.0	53.9	.33	81.7	76.2	„	0.1		+	1		Above 10m.
4 „	.866	.243	87.1	72.4	14.7	65.3	.50	81.6	76.3	WSW	0.1		+	4		Above 10m.
5 „	.872	.222	83.4	72.0	11.4	66.6	.58	80.4	76.5	W	0.1	None.	+	1		Above 10m.
6 „	.887	.259	78.7	70.2	8.5	65.9	.67	78.0	76.3	NW	0.3					
7 „	.908	.275	76.0	69.2	6.8	65.7	.72	76.2	76.0	„	0.5					
8 „	.929	.409	74.4	65.2	9.2	59.8	.62	74.9	75.8	„	0.2					
9 „	.937	.355	74.0	67.0	7.0	63.2	.70	74.7	75.6	NNW	0.2		+	6	5	2.35
10 „	.928	.317	72.9	67.5	5.4	64.7	.77	74.0	75.3	„	0.1		+	7	6	3.20
11 „	.911	.320	71.4	66.4	5.0	63.7	.78	73.0	75.0	„	0.1		+	7	6	4.10
JAN. 12TH-Midnight	.902	.347	71.2	65.2	6.0	61.8	.73	72.4	74.7	NNW	0.1		+	Out of Sc.	25	1·10
1 a. m.	.898	.345	69.4	64.5	4.9	61.6	.78	71.0	75.3	„	0.1		+	14	12	1.10
2 „	.890	.329	68.7	64.5	4.2	62.1	.81	70.4	75.1	„	0.0		+	12	10	2.10
3 „	.886	.275	70.5	66.7	3.8	64.7	.83	71.0	75.0	„	0.0		+	9	7	1.08
4 „	.894	.306	70.5	66.0	4.5	63.5	.80	71.2	75.0	„	0.1		+	4		1.15
5 „	.907	.343	70.4	65.2	5.2	62.2	.77	71.0	74.8	NNE	0.1		+	2		
6 „	.920	.361	70.3	65.0	5.3	62.0	.76	70.6	74.7	„	0.2		+	1		
7 „	.952	.394	70.4	65.0	5.4	61.9	.76	70.6	74.6	ENE	0·2					
8 „	.975	.466	72.0	64.0	8.0	59.2	.66	71.8	74.8	„	0.3					
9 „	.999	.499	75.6	65.0	10.6	58.6	.57	73.4	75.1	„	0.2					
10 „	.991	.476	77.2	66.0	11.2	59.5	.56	75·0	75.2	NE b E	0·1					
11 „	.973	.470	79.4	66.4	13.0	58.8	.51	76.5	75.4	„	0·1	None.				
Noon.	.945	.414	83.1	68.5	14.6	60.4	.48	78.4	75.7	ENE	0·1					
1 p. m.	.913	.528	85.9	65.0	20.9	50.9	.32	80.0	76.1	NE	0.1					
2 „	.895	.433	87.5	66.4	21.1	52.9	.33	81.2	76.4	„	0·1		+	3		Above 10m.
3 „	.891	.399	86.6	68.5	18.1	58.1	.40	81.7	76.5	WNW	0.6		+	1		Above 10m.
4 „	.904	.206	85.7	74.0	11.7	68.7	.53	81.6	76.7	W	0.3		+	6	6	0.45
5 „	.916	.191	81.2	73.4	7.8	69.9	.70	80.0	76.7	„	0.3		+	15	15	0.25
6 „	.935	.222	77.6	72.0	5.6	69.3	.77	77.8	76.5	WNW	0.1		+	Out of Sc.	22	0·20
7 „	.955	.219	76.2	72.2	4.0	70.6	.83	76.7	76.5	NW b W	0.1		+	Out of Sc.	25	0.10
8 „	.980	.253	74.8	71.5	3.3	70.0	.86	75.7	76.4	NW	0·2		+	4		0.15
9 „	.995	.356	73.3	68.5	4.8	66.0	.79	74.8	76.3	NNW	0.1		+	4		1·05
10 „	.996	.301	72.8	70.0	2.8	68.6	.88	74.0	76.1	„	0.0		+	13	12	1.02
11 „	.981	.308	71.7	69.0	2.7	67.6	.88	73.4	76.0	„	0.0		+	Out of Sc.	22	1.35
JAN. 13TH-Midnight	.968	.350	69.6	66.6	3.0	65.0	.86	72.2	75.7	NNW	0.0		+	Out of Sc.	20	Above 10m.
1 a. m.	.966	.329	69.0	67.0	2.0	65.9	.91	71.5	75.6	„	0.0		+	Out of Sc.	30	0.50
2 „	.956	.375	68.8	65.2	3.6	63.1	.83	70.7	75.5	„	0.0		+	14	12	0.30
3 „	.947	.386	68.4	64.4	4.0	62.1	.81	70.4	75.4	„	0.0		+	Out of Sc.	30	Above 10m.
4 „	.949	.392	68.2	64.2	4.0	61.9	.81	70.2	75.3	„	0.0		+	10	8	Above 10m.
5 „	.958	.403	68.4	64.2	4.2	61.8	.81	70.2	75.2	NW	0.0		+	8	7	0.40
6 „	.987	.422	68.3	64.5	3.8	62.3	.82	69.7	75.1	„	0.0		+	4		2.26
7 „	30.010	.446	67.8	64.3	3.5	62.2	.84	69.3	74.9	„	0.0		+	2		1.18
8 „	.026	.470	69.4	64.6	4.8	61.8	.78	70.2	75.0	N	0.1		+	2		Above 10m.
9 „	.054	.482	72.0	66.0	6.0	62.7	.74	71.4	75.0	NE	0.1		+	2		Above 10m.
10 „	.057	.558	74.0	64.4	9.6	58.6	.61	72.6	75.1	„	0.1				●	
11 „	.045	.491	76.5	67.0	9.5	61.7	.62	74.4	75.5	„	0.1					
Noon.	.008	.520	79.6	66.0	13.6	57.9	.50	76.0	75.4	NE b N	0.1	None.				
1 p. m.	29.912	.397	83.6	70.0	13.6	62.8	.52	78.0	75.7	WNW	0.1		+	1		Above 10m.
2 „	.951	.299	83.2	72.0	11.2	66.6	.59	78.5	76.0	W b N	0.1		+	1		Above 10m.
3 „	.931	.216	82.5	73.5	9.0	69.6	.66	79.0	76.1	W	0.3		+	16	16	3.25
4 „	.933	.255	82.5	72.5	10.0	67.8	.63	79.4	76.3	W b S	0.1		+	4		Above 10m.
5 „	.941	.277	79.8	71.3	8.5	67.2	.67	78.0	76.4	„	0.1		+	2		Above 10m.
6 „	.954	.343	76.8	68.8	8.0	64.7	.68	76.2	76.1	W b N	0.1					
7 „	.973	.327	75.4	69.4	6.0	66.4	.75	75.4	76.0	„	0.1		+	2		1.56
8 „	.987	.357	72.6	68.0	4.6	65.6	.80	73.9	75.8	„	0.0		+	15	15	0.38
9 „	.990	.328	72.7	69.0	3.7	67.1	.84	73.5	75.8	„	0.0		+	18	18	Above 10m.
10 „	.995	.366	71.2	67.5	3.7	65.5	.83	72.6	75.7	„	0.0		+	1		Above 10m.
11 „	.991	.353	70.4	67.5	2.9	66.0	.87	72.0	75.6	„	0.0		+	8	7	2.50

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≥ cirro-cumuli; ⌒ cumuli; ⌣ cirro-strati; ⌒ cumulo-strati; and ≥ nimbi.	
0	R	Light mist along W hor.	
0	R	Clear.	
0	R	"	
0	R	"	
0	R	"	
0	L	"	
0	B	"	
0	B	"	
0	B	"	
0	H	"	
0	H	"	
0	H	"	
0	R	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 77°5 and 81°7. At 4 P. M. the reading of Wet Bulb thermometer was 74°0, greatest in the month.
0	R	" "	
0	R	" "	
0	R	" "	
0	B	" "	
0	B	" "	
0	B	A few ≤ in E hor.	
0	B	Mist and fog in hor.	
0	H	" "	
0	H	≤ scattered along S hor.; mist in hor.	
0	H	" " "	
0	H	A few ≤ scattered along S hor.; mist in W hor.	
0	R	" " "	
0	R	A few ≤ scattered from E to SW hor. "	
0	R	" " "	
0	R	" " "	
0	L	A few ≤ scattered from SE to W hor.	
0	L	A few ≤ scattered from S to W hor.	
0	L	Clear.	
0	L	"	
0	R	"	
0	R	"	
0	R	Clear; dew falling.	
0	R	" "	
0	H	Clear; dew falling copiously.	Mean daily temperature of ground 20 and 60 inches below its surface 77°4 and 81°6. 13th January was a 2nd almost cloudless day.
0	R	" " "	
0	R	" " "	
0	R	" " "	
0	R	" " "	
0	B	" " "	
0	B	A few light ≤ in hor.	
0	B	Mist and fog in hor.	
0	B	" "	
0	H	" "	
0	H	" "	
0	H	" "	
0	H	Mist in NW hor.	
0	R	Clear.	
0	R	"	
0	R	"	
0	R	"	
0	L	"	
0	L	"	
0	L	"	
0	L	"	
0	R	Clear; dew falling.	
0	R	" "	
0	R	" "	

Bombay Civil Time. 1860.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Jan. 14th-Midnight	29.982	29.352	69°6	67°0	2°6	65°6	0.88	71°2	75°5	W b N	0.0		+	4		Above 10m.
1 a. m.	.977	.340	69.1	67.0	2.1	65.9	.91	71.0	75.4	„	0.0		+	7	6	Above 10m.
2 „	.968	.391	68.6	65.0	3.6	62.9	.83	70.8	75.1	„	0.0		+	7	6	2.10
3 „	.969	.407	68.6	64.5	4.1	62.1	.81	70.8	75.0	„	0.0		+	8	6	1.50
4 „	.979	.429	66.8	63.8	3.0	61.5	.86	69.7	74.8	„	0.0		+	3		3.20
5 „	.987	.390	66.8	65.0	1.8	64.0	.91	69.0	74.7	„	0·0		+	16	15	0·20
6 „	30.002	.419	67.8	64.7	2.9	63.2	.86	69.0	74.7	„	0.0		+	5		1.28
7 „	.032	.473	67.7	64.4	3.3	62.5	.85	69.0	74.6	NE	0.1		+	2		Above 10m.
8 „	.058	.496	70.0	65.0	5.0	62.1	.77	70.0	74.7	„	0·1		+	1		Above 10m.
9 „	.068	.527	71.6	65.5	6.1	62.1	.73	71.0	74.8	NE b N	0·1		+			
10 „	0.63	.486	73.9	66.8	7.1	62.9	.66	72.3	74.8	„	0·1		+	1		Above 10m.
11 „	.050	.495	75.0	66.5	8.5	61.8	.65	73.3	74.9	„	0.1		+	1		Above 10m.
Noon.	.009	.456	77.2	67.2	10.0	61.6	.60	74.8	75.1	WNW	0.3	None.	+	1		Above 10m.
1 p. m.	29.974	.362	78.9	69.5	9.4	64.7	.63	76.0	75.3	NW b W	0.8					
2 „	.956	.309	78.8	70.5	8.3	66.4	.67	76.4	75.4	„	1.0					
3 „	.949	.326	73.7	69.8	8.9	65.3	.65	76.7	75.5	NW	1.0					
4 „	.943	.307	78.2	70.0	8.2	65.9	.67	76.7	75.6	NW b W	0·8					
5 „	.953	.296	75.8	70.0	5.8	67.1	.76	75.6	75.6	„	0.4					
6 „	.962	.294	73.8	69.5	4.3	67.4	.81	74.2	75.5	„	0·2					
7 „	.981	.305	72.7	69.4	3.3	68.2	.85	74.0	75.5	„	0·3					
8 „	.999	.324	72.2	69.2	3.0	67.7	.86	73.4	75.4	„	0.2					
9 „	30.006	.358	71.0	68.0	3.0	66.5	.86	72.2	75.3	„	0.1		+	2		Above 10m.
10 „	.008	.382	70.0	67.0	3.0	65.4	.86	72.0	75.1	NW	0·1		+	2		Above 10m.
11 „	.000	.395	69.0	66.0	3.0	64.4	.86	71.0	74.8	„	0.1		+	1		Above 10m.
Jan. 16th-Midnight	29.961	.334	68.5	66.5	2.0	65.4	.91	70.4	74.6	N b W	0.0					
1 a. m.	.961	.377	68.0	65.0	3.0	63.3	.86	70.0	74.6	„	0.0					
2 „	.949	.416	65.5	62.4	3.1	60.5	.85	69.0	74.3	„	0.0					
3 „	.941	.408	65.5	62.4	3.1	60.5	.85	68.0	74.0	N b E	0·0					
4 „	.937	.483	64.2	59.2	5.0	55.7	.75	67.5	73.7	„	0.0					
5 „	.944	.447	65.0	61.0	4.0	58.4	.81	66.7	73.7	„	0.0					
6 „	.956	.474	65.2	60.9	4.3	57.5	.79	67.0	73.5	„	0.1					
7 „	.986	.487	65.4	61.2	4.2	58.6	.80	66.8	73.5	NNE	0.1					
8 „	30.018	.488	63.8	63.5	5.3	60.4	.76	68.5	73.6	N b E	0.1					
9 „	.042	.482	72.0	65.6	6.4	62.0	.72	70.2	73.8	NNE	0.1					
10 „	.048	.584	72.8	62.8	10.0	56.4	.58	70.6	73.9	N b W	0.1					
11 „	.027	.504	75.0	65.5	9.5	60.0	.61	72.4	74.1	NW b W	0.1					
Noon.	29.995	.373	76.4	69.0	7.4	65.2	.70	74.0	74.2	NW	0.1	None.				
1 p. m.	.952	.328	77.4	69.4	8.0	65.3	.68	75.0	74.4	NNW	0.5					
2 „	.927	.292	78.3	70.0	8.3	65.8	.67	75.5	74.5	NW	0.6					
3 „	.920	.320	78.4	69.0	9.4	64.1	.63	76.0	74.5	WNW	0.4					
4 „	.911	.293	78.3	69.5	8.8	65.0	.65	75.0	74.8	NW b W	0.5					
5 „	.930	.308	76.4	69.0	7.4	65.3	.70	75.3	74.9	NW	0.6					
6 „	.948	.325	74.8	68.5	6.3	65.3	.73	74.4	74.8	„	0.4					
7 „	.965	.332	73.9	68.5	5.4	65.7	.77	73.9	74.8	„	0.1					
8 „	.974	.332	73.0	68.5	4.5	66.2	.80	73.1	74.8	„	0.1					
9 „	.995	.325	72.0	69.0	3.0	67.5	.87	73.0	74.6	„	0.1					
10 „	.996	.361	70.4	67.4	3.0	65.3	.86	72.0	74.4	N b W	0.1					
11 „	.981	.368	69.8	66.5	3.3	64.8	.85	71.2	74.2	„	0.1		+	4	4	Above 10m.
Jan. 17th-Midnight	.969	.317	70.6	68.0	2.6	66.6	.88	71.8	74.4	NNE	0.0		+	2		Above 10m.
1 a. m.	.959	.289	70.5	68.5	2.0	67.5	.91	71.6	74.5	„	0.0		+	2		Above 10m.
2 „	.949	.279	70.5	68.5	2.0	67.5	.91	71.6	74.5	NE	0.0		+	14	12	1.30
3 „	.950	.364	69.3	65.5	3.8	63.2	.83	70.6	74.4	„	0.0		+	2		4.20
4 „	.951	.338	69.4	66.4	3.0	64.8	.86	70.3	74.3	„	0.0		+	3		1.30
5 „	.959	.378	67.4	64.7	2.7	63.1	.87	69.0	74.1	„	0 0		+	4		2.35
6 „	.981	.412	66.8	64.1	2·7	62 5	.87	68.7	74.1	„	0.0	None.	+	2		1.48
7 „	.998	.403	67.0	65.0	2.0	63.9	.90	68.7	74.0	„	0·0		+	2		1.36
8 „	30.020	.418	70.4	66.4	4.0	64.2	.82	70.2	74.1	„	0.0		+	1		1.00
9 „	.049	.435	72.6	67.6	5.0	64.8	.78	71.5	74.2	N b E	0.1		+	5	4	2.10
10 „	.050	.411	73.6	68.6	5.0	66.0	.78	72.2	74.4	NE b N	0.1		+	4		1.30
11 „	.033	.362	75.0	70.0	5.0	67.5	.79	73.4	74.5	„	0.1		+	14	12	1.10

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are : ∿ cirri ; ≋ cirro-cumuli ; ⌒ cumuli ; ⌣ cirro-strati ; ⌒ cumulo-strati ; and ≋ nimbi.	
0	R	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 77°4 and 81°5.
0	H	" "	
0	H	" "	
0	H	" "	
0	H	" "	
0	B	" "	
0	B	" "	
0	B	" "	
0	B	Mist and fog in hor.	
0	B	" "	
0	H	" "	
0	H	" "	
0	H	Mist from W to N hor.	
0	H	" "	
0	R	Clear.	
0	R	"	
0	R	"	
0	R	"	
0	H	"	
0	H	"	
0	H	"	
0	H	"	
0	H	Clear; dew falling.	
0	H	" "	
0	H	" "	
0	R	Clear; dew falling copiously.	Mean daily temperature of ground 20 and 60 inches below its surface 77°5 and 82°0.
0	H	" " "	
0	H	" " "	
0	H	" " "	
0	H	" " "	
0	B	" " "	
0	B	" " "	
0	B	Mist and fog in hor.	
0	B	" "	
0	H	" "	
0	H	A few pieces of clouds in W hor; mist and fog in hor.	
0	H	Light mist in WNW hor.	
0	H	" "	
0	R	" "	
0	R	Clear.	
0	R	"	
0	R	"	
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	H	Clear; dew falling.	
0	H	" "	
0	H	" "	
0	H	Clear; dew falling copiously.	Mean daily temperature of ground 20 and 60 inches below its surface 77°5 and 81°7.
0	R	" " "	
0	R	" " "	
0	R	Clear; dew falling.	
0	R	" "	
0	B	" "	
0	B	" "	
0	B	Mist and fog in hor.	
0	B	" "	
0	H	A few ∿ in WNW hor.; mist and fog in hor.	
0	H	" " "	
0	H	Mist around hor.	

Bombay Civil Time. 1860.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer Hucl in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the tension after discharge.
	in.	in.									lbs.	in.				
Jan. 17th–Noon.	29.999	.436	77°2	67°5	9°7	62°2	0.61	74°8	74°8	E b S	0.1		+	6		2.30
1 p. m.	.959	.431	78.9	67.0	11.9	60.3	.55	75.5	74.9	W b N	0.1		+	3		7.10
2 „	.925	.335	80.5	69.4	11.1	63.6	.58	76.9	75.1	WNW	0·2		+	10	9	Above 10m.
3 „	.913	.272	80.9	71.0	9.9	66.1	.62	77.6	75.3	W b N	0.1		+	14	12	Above 10m.
4 „	.913	.279	80.5	70.0	10.5	65.8	.60	77.7	75.4	„	0.4	None.	+	3		Above 10m.
5 „	.921	.294	77.5	69.5	8.0	65.4	.68	77.9	75.3	NW b W	0.4		+	6	6	Above 10m.
6 „	.945	.289	76.4	70.0	6.4	66.8	.73	75.5	75.4	NW	0.3		+	5	5	2.48
7 „	.962	.290	75.6	70.2	5.4	67.6	.77	75.1	75.4	„	0.1		+	2		1.03
8 „	.985	.302	74.6	70.2	4.4	68.1	.81	74.5	75.4	NW b N	0.0		+	2		2.36
9 „	.995	.327	73.0	69.3	3.7	67.4	.84	73.3	75.3	NNW	0.0		+	20	18	0.15
10 „	.984	.331	71.8	68.4	3.4	66.7	.85	73.0	75.1	NNE	0.0		+	Out of Sc.	30	1.10
11 „	.970	.300	72.0	69.0	3.0	67.5	.87	73.0	75.0	NE	0.0		+	6		3.20
Jan. 18th-Midnight	.955	.283	70.6	68.6	2.0	67.6	.91	72.0	74.7	NE	0.0		+	2		
1 a. m.	.933	.318	69.9	66.6	3.3	64.9	.85	71.3	74.8	„	0.0					
2 „	.927	.278	69.4	67.5	1.9	66.5	.95	70.5	74.7	„	0.0					Above 10m.
3 „	.912	.324	69.1	65.5	3.6	63.5	.83	70.7	74.7	„	0.0					
4 „	.907	.302	69.0	66.0	3.0	64.4	.86	70.2	74.6	„	0.0					
5 „	.916	.355	68.4	64.4	4.0	62.1	.81	69.5	74.5	NE b N	0.0					
6 „	.941	.378	68.8	64.6	4.2	62.2	.81	69.5	74.4	„	0.0					
7 „	.962	.381	68.3	65.0	3.3	63.1	.85	69.4	74.3	NE	0.1		+	1		Above 10m.
8 „	.989	.374	71.0	67.0	4.0	64.9	.82	70.5	74.4	„	0.1		+	10	9	0.40
9 „	30.008	.408	72.4	67.0	5.4	64.1	.76	71.7	74.6	NE b N	0.1		+	4		2.30
10 „	.005	.436	73.8	66.5	7.3	62.5	.69	72.6	74.6	NE	0.1	None.	+	2		5·10
11 „	29.986	.397	75.8	67.8	8.0	63.5	.67	73.8	74.7	„	0.1		+	1		Above 10m.
Noon.	.957	.356	78.3	67.0	9.3	64.2	.63	75.0	74.9	WNW	0.1		+	4		1.30
1 p. m.	.911	.311	79.3	69.3	10.0	64.1	.61	76.0	75·2	NW b W	0.1		+	2		Above 10m.
2 „	.885	.286	80.3	69.6	10.7	64.1	.59	77.0	75.2	WNW	0.4		+	1		Above 10m.
3 „	.869	.208	80.4	71.4	9.0	67.1	.65	77.5	75.5	NW	0·2		+	1		
4 „	.869	.200	79.7	71.4	8.3	67.4	.68	77.5	75.6	NW b W	0.3					2.20
5 „	.873	.210	77.6	70.6	7.0	67.2	.72	76.7	75.6	„	0.4		+	3		Above 10m.
6 „	.890	.225	75.5	70.0	5.5	67.2	.77	75.0	75.5	NW	0.3		+	4		2.36
7 „	.903	.228	74.8	70.2	4.6	67.9	.80	74.6	75.4	„	0.1		+	3		0.48
8 „	.920	.249	74.1	69.7	4.4	67.5	.81	74.0	75.4	„	0.1		+	2		2.18
9 „	.929	.276	73.5	69.0	4.5	66.7	.81	73.5	75.3	NNW	0.1		+	10	9	0.46
10 „	.922	.353	73.4	66.4	7.0	62.5	.70	73.2	75.0	„	0.1		+	14	12	Above 10m.
11 „	.915	.295	70.5	67.0	3.5	65.1	.84	72.0	75.0	N b E	0.1		+	Out of Sc.	25	0.50
Jan. 19th-Midnight	.925	29.259	72.4	69.0	3.4	67.3	.85	73.0	75.2	ENE	0.0		+	Out of Sc.	25	0.50
1 a. m.	.914	.280	70.8	67.5	3.3	65.8	.85	72.0	75.1	NE	0.0		+	15	15	2.30
2 „	.902	.300	70.4	66.4	4.0	64.2	.82	71.8	75.0	NE b N	0.0		+	5		Not Obsd.
3 „	.898	.371	69.8	63.8	6.0	60.2	.73	70.6	75.0	„	0.0		+	2		Not Obsd.
4 „	.908	.388	69.4	63.4	6.0	59.8	.73	70.2	75.0	„	0·0		+	2		Not Obsd.
5 „	.919	.396	67.6	63.6	4.0	60.0	.81	69.7	74.8	„	0.0		+	17	16	Not Obsd.
6 „	.941	.455	66.0	61.0	5.0	57.8	.76	69.0	74.4	„	0·0		+	4		Not Obsd.
7 „	.979	.422	66.3	63.5	2.8	61.9	.86	68·3	74.2	„	0.0		+	1		Not Obsd.
8 „	.999	.350	71.7	68.0	3.7	66.1	.84	70.8	74.4	„	0.0		+	1		Not Obsd.
9 „	30.025	.443	73.6	67.0	6.6	63.4	.71	72.2	74.6	„	0.1					
10 „	.025	.454	74.4	66.8	7.6	62.6	.67	72.9	74.7	„	0.1		+	2		Not Obsd.
11 „	.006	.432	76·4	66.0	10.4	60.0	.59	73.0	74.9	„	0·1		+	5		Not Obsd.
Noon.	29.971	.404	78.4	68.0	10.4	62.4	.59	75.4	75.1	„	0.1	None.	+	4		Not Obsd.
1 p. m.	.926	.355	79.8	68.6	11.2	62.6	.58	76.4	75.3	WNW	0.1		+	1		Not Obsd.
2 „	.893	.296	80.7	69.7	11.0	64.0	.59	77.3	75.4	„	0.3		+	1		Not Obsd.
3 „	.882	.208	80.5	71.8	8.7	67.7	.67	77.5	75.4	W b N	0.2		+	1		Not Obsd.
4 „	.887	.221	80.6	71·6	9.0	67.3	.66	77.8	75.5	W	0.7		+	2		Not Obsd.
5 „	.903	.194	78.0	72.0	6.0	69.2	.76	77.0	75.5	W b N	0·7		+	4		Not Obsd.
6 „	.915	.220	76.0	71.0	5.0	68.6	.79	76.0	75.4	WNW	1.2		+	8		Not Obsd.
7 „	.932	.249	75.2	70.4	4.8	68.1	.79	75.4	75.5	NW	1·0		+	9		Not Obsd.
8 „	.952	.276	74.5	70.0	4.5	67.8	.81	74.9	75.5	„	0.8		+	4		Not Obsd.
9 „	.980	.350	72.6	68.0	4.6	65.6	.80	73.1	75.6	N b W	0.0		+	Out of Sc.	30	0.10
10 „	.981	.333	71.0	68.0	3·0	66.5	.80	72.3	75.5	NNW	0.0		+	8		
11 „	.968	.378	70.4	66·0	4.4	63.6	.80	72.0	75.3	„	0.0		+	Out of Sc.	25	0.40

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are : ≤ cirri ; ≥ cirro-cumuli; ∩ cumuli ; ⌣ cirro-strati ; ∩ cumulo-strati ; and ≥ nimbi.	
0	H	Mist around hor.	
0	R	"	
0	R	A few ≤ from WNW to N hor.	
0	R	Linear ≤ from WNW to NE hor.	
0	R	A few ≤ from WNW to N hor.	
0	H	Light ≤ scattered.	
3	B	≤ scattered about, moving ESE.	
1	B	≤ scattered.	
0	R	Clear; dew falling.	
0	B	" "	
0	H	" "	
0	H	" "	
0	H	Clear; dew falling copiously.	Mean daily temperature of ground 20 and 60 inches below its surface 77°5 and 82°0.
0	R	"	
0	R	" " "	
0	R	" " "	
0	R	" " "	
0	R	" " "	
0	B	Clear; dew falling.	
0	B	" "	
0	B	Mist and fog in hor.	
0	B	" "	
0	H	A few light ≤ in S hor.; mist and fog in hor.	
0	H	Mist and fog in hor.	
0	H	Mist in W, NW, and N hor.	
0	H	" "	
0	H	A few light ≤ in ESE hor.	
0	R	" "	
0	R	Clear.	
0	R	"	
0	R	"	
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	H	Clear; dew falling.	
0	H	" "	
0	H	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 77°3 and 81°7.
0	R	" "	
0	R	" "	
0	B	" "	
0	B	" "	
0	H	" "	
2	H	≤ scattered about.	
5	R	≤ scattered about; mist and fog in hor.	
5	R	" " "	
6	B	" " "	
7	B	" " "	
5	H	" " "	
2	H	A few ≤ along E hor.; mist along W hor.	
2	R	" " "	
0	R	A few ≤ in E and NW hor.	
0	B	A few ≤ above SE hor.	
0	B	A few ≤ scattered here and there.	
0	H	" " "	
2	H	" " "	
0	R	Clear.	
0	R	"	
0	B	"	
0	B	Clear; dew falling.	
0	H	" "	

Bombay Civil Time. 1860.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Jan. 20th-Midnight	29.961	29.358	69°4	67°0	2°4	65°7	0.89	71°0	75°0	NNW	0.0		+	Out of Sc.	30	0 50
1 a. m.	.953	.306	69.6	67.5	2.1	66.4	.90	70.8	75.0	N b W	0·0		+	20	20	Above 10m.
2 „	.932	.340	68.3	65.3	3.0	63.7	.86	70.0	74.9	„	0·0					
3 „	.914	.286	69.8	67.0	2.8	65.5	.87	70.8	74.8	„	0.0		+	2		Above 10m.
4 „	.917	.316	69.4	66.0	3.4	64.2	.84	70·4	74.7	N	0.0		+	1		Above 10m.
5 „	.927	.564	67.1	64.0	3.1	62.2	.85	69.5	74.6	„	0.0		+	1		Above 10m.
6 „	.945	.430	66.6	62.2	4.4	59.5	.79	68.5	74.5	„	0.0		+	1		Above 10m.
7 „	.970	.397	66.7	64.2	2.5	62.8	.88	68.0	74.2	„	0.0		+	3		2.24
8 „	.997	.382	71.0	67.0	4.0	64.9	.82	70.3	74.4	„	0·0		+	2		3.46
9 „	30.013	.396	73.8	68.0	5.8	65.0	.75	72.2	74.6	N b E	0.0		+	1		Above 10m.
10 „	.019	.446	74.8	67.0	7.8	62.7	.68	73.0	74.7	NNE	0.1		+	3		Above 10m.
11 „	.001	.421	77.2	68.5	9.2	63.2	.63	74.4	74.8	„	0.1		+	2		Above 10m.
Noon.	29.975	.447	78.9	67.5	11.4	61.4	.56	75.8	75.0	WNW	0·2		+	1		Above 10m.
1 p. m.	.942	.317	80.2	70.2	10.0	65.4	.61	76.8	75.2	„	0.2	None.	+	1		Above 10m.
2 „	.921	.237	80.3	72.0	8.3	68.1	.68	77.4	75.2	„	0·6		+	1		Above 10m.
3 „	.915	.285	79.4	70.2	9.2	65.6	.64	77.4	75.3	„	1·0					Above 10m.
4 „	.915	.336	78.5	68.4	10.1	63.0	.61	76.8	75.4	NW b W	1·5		+	1		Above 10m.
5 „	.938	.332	76.6	68.6	8.0	64.4	.68	76.0	75.5	NW	1·7		+	1		Above 10m.
6 „	.942	.347	74.6	67.6	7.0	63.9	.71	74.0	75.4	„	0·8		+	1		Above 10m.
7 „	.962	.347	74.0	68.0	6.0	64.9	.74	73.5	75.4	„	0.5		+	1		Above 10m.
8 „	.980	.357	73.3	68.0	5.3	65.3	.77	73.3	75.4	„	0.3					
9 „	.993	.363	72·7	68.0	4.6	65.6	.80	73.0	75.3	NW b N	0.1					
10 „	.989	.341	71.0	68.0	3.0	66.5	.86	72.4	75·0	NNW	0.1		+	2		Above 10m.
11 „	.984	.332	70.6	68.0	2.6	66.6	.88	72.0	74.8	„	0.1		+	4		3.20
Jan. 21st-Midnight	.978	.315	70.2	68.2	2·0	67.2	.91	72.0	74.6	NNW	0.0		+	2		Above 10m.
1 a. m.	.965	.281	70.7	69.0	1.7	68.1	.98	72.0	75.0	„	0.0		+	1		Above 10m.
2 „	.954	.290	69.5	68.0	1.5	67.2	.93	71.2	75.0	„	0.0					
3 „	.947	.307	68.7	67.0	1.7	66.1	.92	70.5	74.7	„	0.0		+	2		Above 10m.
4 „	.951	.299	68.0	66.5	1.5	65.7	.93	70.0	74.6	„	0.0		+	1		Above 10m.
5 „	.963	.318	68.3	67.0	1.3	66.3	.94	69.7	74·5	N b W	0.0					
6 „	.982	.340	68.5	67.0	1.5	66.2	.93	69.5	74.5	„	0.0					
7 „	30·006	.358	68.6	67.2	1.4	66.5	.93	69.5	74.5	„	0.1					
8 „	.028	.370	71.3	68.4	2.9	66.9	.87	71.1	74.6	N	0.1					
9 „	.041	.379	72.7	69.0	3.7	67.1	.84	72.2	74.6	N b E	0.1					
10 „	.047	.400	74.1	69.0	5.1	66.4	.78	73.0	74.7	NNE	0·1					
11 „	.028	.386	75.8	69.4	6.4	66.2	.73	74.3	74.9	WNW	0·1					
Noon.	29.997	.415	77.0	68.0	9.0	63.2	.64	75.0	75.2	„	0.1	None.			None.	
1 p. m.	.958	.320	78.0	70.0	8.0	66.0	.68	75.4	75.2	W	0.2					
2 „	.929	.294	78.3	70.0	8·3	65.8	.67	75·9	75.3	W b N	0.4					
3 „	.917	.248	78.4	71·0	7.4	67.4	.70	76.1	75.4	WNW	0.3					
4 „	.921	.294	77.5	69.5	8.0	65.4	.68	75.9	75.3	W b N	0.5		+	1		Above 10m.
5 „	.935	.302	75.4	69.0	6.4	65.7	.73	75.0	75.3	WNW	0.4		+	1		Above 10m.
6 „	.943	.317	73.0	68.0	5.0	65.4	.78	74.0	75.1	„	0·3		+	1		Above 10m.
7 „	.956	.326	72.6	68.0	4.6	65.6	.80	73.1	75.0	„	0·2		+	1		Above 10m.
8 „	.971	.351	72.0	67.5	4.5	65.1	.80	72·6	74.8	„	0·1		+	1		Above 10m.
9 „	.983	.346	72.0	68.0	4.0	65.9	.82	72.4	74.7	„	0·1		+	1		Above 10m.
10 „	.987	.383	72.0	67.0	5.0	64.3	.78	72.5	74.8	NW b N	0.1		+	1		Above 10m.
11 „	.977	.362	71.0	67.0	4.0	64.9	.82	72.0	74.7	„	0·1		+	1		Above 10m.
Jan. 23rd-Midnight	30.007	.413	70.0	66.0	4.0	63.8	.82	71.4	75.0	N	0.1		+	1		Above 10m.
1 a. m.	29.985	.359	70.0	67.0	3.0	65.4	.86	71.4	74.9	„	0.0		+	1		Above 10m.
2 „	.977	.362	69.2	66.4	2.8	64.9	.87	70.7	74.7	N b E	0.0		+	1		Above 10m.
3 „	.968	.374	68.6	65.5	3.1	63.8	.86	70.3	74.6	„	0.0					
4 „	.971	.374	68.6	65·6	3.0	64.0	.86	70.1	74.5	NNE	0.0					
5 „	.984	.385	69.5	66.0	3.5	64.1	.84	70.0	74.5	N	0.1					
6 „	30.002	.429	69.0	65.0	4.0	62.7	.81	69.9	74.5	„	0.2	None.	+	10	10	1.05
7 „	.032	.459	69.0	65.0	4.0	62.7	.81	69.5	74.4	„	0.2		+	8	7	2.18
8 „	.064	.503	70.2	65.0	5.1	62.1	.77	70.1	74.4	„	2·5		+	3		3.24
9 „	.082	.532	71.2	65.0	6.2	61.4	.73	71.0	74.4	„	1·7		+	4		3.30
10 „	.080	.547	73.2	65.2	8.0	60.5	.66	72.0	74.5	NNW	0.8		+	2		4.10
11 „	.078	.556	74.2	65.2	9.0	59.9	.64	72.7	74.6	„	0.5		+	2		Above 10m.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the *clouds* are: ≤ cirri; ≤≤ cirro-cumuli; ⌒ cumuli; ⌒≤ cirro-strati; ⌒⌒ cumulo-strati; and ≤⌒ nimbi.	
0	H	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 77°2 and 81°2.
0	R	,, ,,	
0	R	,, ,,	
0	R	,, ,,	
0	R	,, ,,	
0	B	,, ,,	
0	B	,, ,,	
2	B	Light ≤ scattered about; mist and fog in hor.	
1	B	,, ,, ,, ,,	
1	H	≤ scattered about E hor.; mist and fog in hor.	
0	H	A few ≤ in ESE hor.; mist and fog in hor.	
0	H	A few ≤ in ESE hor.; light mist along W hor.	
0	H	,, ,, ,, ,,	
0	H	A few ≤ in W hor.; light mist in N hor.	
0	H	A few ≤ along W hor.	
0	R	,, ,,	
0	R	,, ,,	
0	H	,, ,,	
0	B	,, ,,	
0	B	Clear.	
0	B	,,	
0	B	,,	
0	H	Clear; dew falling.	
0	H	,, ,,	
0	H	Clear; dew falling copiously.	Mean daily temperature of ground 20 and 60 inches below its surface 77°2 and 81°1.
0	R	,, ,, ,,	
0	R	,, ,, ,,	
0	R	,, ,, ,,	
0	R	,, ,, ,,	
0	B	,, ,, ,,	
2	B	≤ and a few scud scattered about.	
2	B	≤ in E hor. and scud *moving* SE; mist and fog in hor.	
2	B	≤ and scud scattered about, the latter moving SE; mist and fog in hor.	
3	H	Scud above S hor.; ≤ scattered about; mist and fog in hor.	
2	H	Scud above W hor.; ≤ scattered in E hem.; mist and fog in hor.	
3	H	A few pieces of clouds above N hor.; ≤ scattered about; mist around hor.	
3	H	≤ scattered about; mist in hor.	
4	R	,, ,,	
4	R	≤ scattered about.	
4	R	,,	
3	R	,,	
4	H	,,	
3	H	,,	
0	H	Cloudless.	
0	H	Clear; dew falling.	
0	H	,, ,,	
0	H	,, ,,	
0	H	,, ,,	
0	H	Clear, except in hor.	Mean daily temperature of ground 20 and 60 inches below its surface 77°3 and 81°2. Greatest height of barometer was 30.082 in. at 9 A. M. during this month.
5	R	≤≤ and ≤ scattered about.	
1	R	≤ scattered along E hor.; dew falling.	
3	R	≤ scattered about; dew falling.	
4	R	≤ and ≤≤ scattered about; dew falling.	
3	B	≤ and ≤≤ scatterad about, the latter moving SSE; dew falling.	
5	B	,, ,, ,, ,,	
5	B	≤ and ≤≤ scattered about, the latter moving SSE; fog along E hor.	
6	R	Dense and light ≤ scattered about, moving NE.	
7	H	Nearly overcast with ≤, moving ESE; fog along E hor.	
7	H	Light ≤≤ and ≤ scattered about, moving ESE; haze along E hor.	
6	H	≤ and light ≤≤ scattered about, moving NE.	

Bombay Civil Time. 1860.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Jan. 23rd-Noon.	30.055	29.544	74°8	65°4	9°4	59°3	0.62	73°2	74.8	NNW	0.5		+	2		Above 10m.
1 p. m.	.023	.499	75.2	65.6	9.6	60.0	.61	73.7	74.6	NW	0.2		+	1		Above 10m.
2 „	29.996	.467	74.8	65.6	9.2	60.3	.62	73.5	74.7	NW b N	0.8		+	2		5.10
3 „	.979	.453	73.3	65.0	8.3	60.1	.65	73.0	74.7	„	1.0		+	2		Above 10m.
4 „	.981	.455	73.3	65.0	8.3	60.1	.65	72.7	74.6	NW	1.0		+	2		Above 10m.
5 „	.982	.448	71.4	64.6	6.8	60.6	.72	72.0	74.6	„	1.2		+	3		Above 10m.
6 „	.983	.448	69.6	64.0	5.6	60.6	.75	70.3	74.4	„	1.5	None.	+	10	10	1.48
7 „	30.002	.462	69.2	64.0	5.2	60.9	.77	70.0	74.4	„	1.8		+	7	6	2.00
8 „	.012	.500	69.0	63.0	6.0	59.3	.73	69.4	74.2	NNW	1.6		+	8	7	0.38
9 „	.018	.507	68.0	62.6	5.4	59.3	.75	69.3	74.0	NW b N	2.0		+	7	6	1.00
10 „	.019	.526	66.7	61.5	5.2	58.2	.76	68.2	73.8	NNW	1.5		+	13	12	0.55
11 „	.017	.561	66.0	60.0	6.0	55.9	.71	67.5	73.5	„	1.0		+	18	18	0.45
Jan. 24th-Midnight	.008	.573	64.8	58.8	6.0	54.5	.71	66.5	73.3	NNW	1.0		+	16	8	4.10
1 a. m.	29.992	.629	63.7	55.7	8.0	49.2	.62	65.8	73.2	„	1.5		+	7	5	5.20
2 „	.981	.603	63.0	56.0	7.0	50.3	.66	65.0	73.0	„	1.0		+	6	4	2.30
3 „	.980	.615	62.8	55.4	7.4	49.3	.64	64.8	72.8	„	0.8		+	5		3.20
4 „	.973	.623	62.0	54.5	7.5	48.1	.63	64.0	72.6	NW b N	1.0		+	4		Above 10m.
5 „	.977	.661	61.1	52.7	8.4	45.1	.58	62.9	72.3	NNW	0.8		+	2		Above 10m.
6 „	.991	.681	61.0	52.0	8.0	44.6	.59	62.0	72.0	„	0.5		+	3		Above 10m.
7 „	30.012	.698	59.6	52.0	7.6	44.9	.61	61.6	71.9	„	0.1		+	7		2.48
8 „	.033	.734	62.8	52.8	10.0	43.5	.52	62.9	71.7	„	0.1		+	3		Above 10m.
9 „	.055	.747	65.9	54.5	11.4	44.4	.49	65.2	71.8	NW b N	0.2		+	2		Above 10m.
10 „	.049	.684	69.1	58.0	11.1	49.3	.52	67.4	72.0	NW	0.3		+	2		Above 10m.
11 „	.026	.679	72.0	58.5	13.5	47.8	.45	69.5	72.2	„	0.8		+	2		Above 10m.
Noon.	29.999	.635	74.4	60.0	14.4	49.2	.43	71.0	72.5	„	0.6		+	2		Above 10m.
1 p. m.	.969	.534	76.0	62.5	13.5	54.5	.48	72.4	72.7	„	0.7		+	2		Above 10m.
2 „	.946	.486	76.5	64.0	12.5	56.1	.52	73.2	72.9	„	0.8	None.	+	3		Above 10m.
3 „	.932	.455	76.6	64.6	12.0	57.2	.53	74.0	73.1	„	1.2		+	2		Above 10m.
4 „	.936	.438	75.8	65.0	10.8	58.5	.57	73.7	73.0	„	1.4		+	2		Above 10m.
5 „	.937	.409	74.2	65.4	8.8	60.2	.64	73.0	73.1	„	0.7		+	2		Above 10m.
6 „	.952	.412	72.0	65.0	7.0	60.9	.70	72.0	73.2	„	1.0		+	6		2.16
7 „	.977	.445	71.6	64.6	7.0	60.5	.70	71.5	73.2	NW b N	0.8		+	4		0.38
8 „	.994	.520	70.3	62.2	8.1	57.0	.65	70.5	73.1	„	0.7		+	7		1.18
9 „	30.006	.537	69.3	61.7	7.6	56.7	.66	69.7	73.1	NW	0.4		+	3		2.48
10 „	29.993	.520	68.6	61.6	7.0	57.0	.69	69.6	73.0	„	0.3		+	10	10	1.30
11 „	.982	.515	67.6	61.0	6.6	56.6	.70	69.0	72.8	NW b N	0.2		+	18	16	0.50
Jan. 25th-Midnight	.964	.537	67.0	59.4	7.6	54.0	.65	68.4	72.6	NW b N	0.1		+	13	12	1.40
1 a. m.	.959	.592	67.2	60.5	6.7	55.9	.69	68.0	72.8	„	0.1		+	12	12	0.45
2 „	.950	.456	67.9	62.0	5.9	58.3	.73	68.5	72.7	„	0.1		+	17	16	2.50
3 „	.941	.462	66.6	61.0	5.6	57.3	.74	68.0	72.7	„	0.1		+	19	19	3.25
4 „	.937	.533	64.3	57.5	6.8	52.3	.67	66.9	72.5	„	0.1		+	14	13	3.30
5 „	.950	.479	66.0	60.5	5.5	56.8	.74	67.0	72.5	NNW	0.0		+	20	17	1.00
6 „	.969	.548	65.0	58.4	6.6	53.5	.68	66.2	72.4	„	0.0		+	20	17	0.15
7 „	.992	.625	64.0	56.0	8.0	49.5	.62	65.5	72.2	„	0.0		+	16	15	1.38
8 „	30.017	.580	68.5	61.0	7.5	55.9	.66	67.7	72.2	„	0.1		+	6		2.08
9 „	.042	.555	72.4	63.4	9.0	57.8	.62	70.5	72.4	N	0.1		+	8		2.30
10 „	.038	.527	75.2	65.2	10.0	59.3	.59	72.2	72.7	N b W	0.1		+	8		1.20
11 „	.025	.504	77.8	66.4	11.4	59.9	.56	74.4	73.0	„	0.1	None.	+	2		Above 10m.
Noon.	.000	.560	81.0	65.0	16.0	54.8	.43	76.0	73.5	N b E	0.1		+	4		Above 10m.
1 p. m.	29.967	.365	82.5	70.4	12.1	64.2	.56	77.5	73.8	W b N	0.1		+	10		Above 10m.
2 „	.946	.309	81.3	71.0	10.3	65.9	.61	77.7	73.8	WNW	0.3		+	10		1.30
3 „	.938	.293	80.5	71.0	9.5	66.3	.64	77.7	74.2	„	0.8		+	14	12	1.20
4 „	.937	.308	78.8	70.0	8.8	65.5	.65	77.0	74.3	NW b W	0.5		+	14	12	2.55
5 „	.940	.325	77.0	69.0	8.0	64.9	.68	76.0	74.3	„	0.6		+	17	15	1.10
6 „	.960	.378	74.0	67.0	7.0	63.2	.70	74.0	74.3	„	0.3		+	8		1.08
7 „	.977	.391	73.6	67.0	6.6	63.4	.72	73.5	74.3	„	1.0		+	6		2.19
8 „	.987	.420	73.3	66.3	7.0	62.4	.70	73.1	74.2	„	1.0		+	8		1.09
9 „	30.005	.400	72.8	67.3	5.5	64.4	.76	72.7	74.2	NW b N	0.7		+	4		1.38
10 „	.057	.431	71.8	67.6	4.2	65.4	.81	72.4	74.0	NW	0.5		+	16	14	0.40
11 „	.054	.435	71.2	67.2	4.0	65.1	.82	72.0	73.8	„	0.2		+	15	14	0.30

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌇ cirri; ⌇⌒ cirro-cumuli; ⌒⌇ cumuli; ⌇⌇ cirro-strati; ⌒⌇⌒ cumulo-strati; and ⌇⌒⌇ nimbi.	
6	H	Dense and light ⌇ scattered about, moving NE.	
6	R	⌇ scattered about, moving ENE.	
7	R	A few pieces of ⌇⌒ in W hor.; otherwise clouded with ⌇.	
7	R	Densely clouded with ⌇, moving NE.	
5	R	⌇ scattered about, moving NE.	
6	H	" "	
7	B	" "	
3	B	⌇ scattered about hor.	
2	B	" "	
2	R	" "	
0	R	Clear, except in hor.	
0	R	" "	
0	R	Clear; cold breezes of wind blowing.	Mean daily temperature of ground 20 and 60 inches below its surface 77°0 and 81°0. On this day at 7 A. M. the reading of Air thermometer 59°6, the smallest in the month; and the reading of wet bulb thermometer at the same hour was 52°0, smallest during the month.
0	H	" " "	
0	H	" " "	
0	H	" " "	
0	H	" " "	
0	B	" " "	
1	B	⌇ scattered along E hor.	
1	B	⌇ scattered above S hor.; mist and fog in hor.	
0	B	A few ⌇ in S hor; mist and fog in hor.	
0	R	" " "	
0	R	" " "	
0	R	Light mist in hor.	
0	R	Clear; cold breezes of wind blowing.	
0	H	" " "	
0	H	" " "	
0	H	" " "	
0	H	" " "	
0	H	" " "	
0	B	" " "	
0	B	Clear, except in hor.	
0	B	" "	
0	B	" "	
0	H	" "	
0	H	" "	
0	H	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 77°0 and 81°0.
0	R	"	
0	R	"	
0	R	"	
0	R	"	
0	B	"	
0	B	Mist and fog in hor.	
0	B	" "	
0	B	" "	
0	H	" "	
0	H	" "	
0	H	A few ⌇ along W hor.; mist in WNW hor.	
1	H	⌇ scattered along W hor; mist in W hor.	
2	R	⌇ scattered along W hor.	
2	R	⌇ scattered here and there.	
1	R	⌇ scattered about hor.	
1	R	" "	
0	H	A few ⌇ above W hor.	
0	B	scattered here and there.	
0	B	Clear; except in hor.	
0	B	" "	
0	B	" "	
0	H	" "	
0	H	" "	

Bombay Civil Time. 1860.	Standard Barometer.		Thermometers.			Deduced Dew-Point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Jan. 26th-Midnight.	30.038	29.452	70°7	66°0	4°7	63°4	0.79	71°6	73°6	NW	0.2		+	15	15	0.20
1 a. m.	29.976	.390	70.7	66·0	4.7	63.4	.79	71.6	74.0	„	0·2		+	20	20	Above 10m.
2 „	.961	.387	70.0	65.4	4.6	62.8	.79	71.0	74.0	„	0.1		+	20	20	Above 10m.
3 „	.955	.447	68.0	62.5	5.5	59.1	.75	69.8	73.7	„	0.1		+	10	8	4.00
4 „	.953	.449	67.0	62.0	5.0	58.9	.77	69.0	73·6	„	0.1		+	20	20	Above 10m.
5 „	.963	.530	66.0	59.2	6.8	54.3	.68	67.0	73.4	„	0·1		+	8	6	3.38
6 „	.976	·492	66.2	61.0	5.2	57.6	.75	67.5	73.2	NNW	·0.1		+	12	10	1.00
7 „	30.005	.521	66.2	61.0	5.2	57.6	.75	67.5	73.1	„	0·1		+	13	10	1.19
8 „	.025	.467	70.4	65.0	5.4	61.9	.76	69.5	73.3	NNE	0.1		+	10	10	1.10
9 „	.041	.539	73.0	64.5	8.5	58.7	.64	71.5	73.5	„	0·1		+	8	6	2.30
10 „	.044	.511	75.5	66.0	9.5	60·5	.62	73.0	73.7	NE b N	0.1		+	14	4	4.10
11 „	·028	.433	78.8	69.0	9.8	63.9	.62	75.0	74·1	NW b W	0·2		+	2		Above 10m.
Noon.	.001	.419	78.8·	68.6	10.2	63.2	.61	75.6	74.3	NW	0·1		+	2		Above 10m.
1 p. m.	29.957	.306	80.0	71.0	9.0	66.6	.65	76.7	74.4	„	0·5	None.	+	1		Above 10m.
2 „	.935	.254	80.5	72·0	8.5	68.0	.67	77.3	74.5	„	0.3		+	4		Above 10m.
3 „	.923	.233	80.4	72.2	8.2	68.4	.68	77.5	74.7	„	0·2		+	4		2.35
4 „	.917	.228	79.8	72.0	7.8	68.3	.69	77.6	74.9	„	0.8		+	7		3.20
5 „	.932	.216	77.4	72.0	5.4	69.5	.78	76·6	75.1	NW b W	0·2		+	14	12	2.10
6 „	.944	.302	75.5	69.3	6.2	66.2	.74	74.6	74.9	„	0.8		+	8	6	1.48
7 „	.961	.339	73.4	68.0	5.4	65.2	.77	73.8	74.8	„	0.8		+	10	8	1.08
8 „	.982	.352	73.2	68.2	5.0	65.6	.78	73.4	74.8	„	0.3		+	8	6	0.56
9 „	.993	.417	71.6	66.0	5.6	62.9	.76	72.5	74.7	N	0.1		+	2		Above 10m.
10 „	.996	.445	71.0	65.0	6.0	61·5	.73	72.0	74.4	NNW	·0.1		+	2		Above 10m.
11 „	.993	.442	71·0	65.0	6.0	61.5	.73	72.0	74.4	„	0.1		+	2		Above 10m.
Jan. 27th-Midnight	.974	.451	69.6	63.6	6.0	60.0	.73	71.0	74.2	N b W	0.1		+	4		1.20
1 a. m.	.953	.477	69.5	62.0	7.5	57.3	.67	70.6	74.3	N	0.0		+	4		Above 10m.
2 „	.935	.419	68.6	63.0	5.6	59.6	.75	70.0	74.2	„	0.0		+	8	6	Above 10m.
3 „	.929	.385	68.8	64.0	4.8	61.1	.78	70.0	74.0	„	0.0		+	7	5	4.10
4 „	.917	.373	68.8	64.0	4.8	61.1	.78	70.0	74.0	„	0.0		+	4		Above 10m.
5 „	.925	.457	67.5	61.0	6.5	56.6	.70	69·0	73.9	N b E	0.0		+	2		Above 10m.
6 „	.949	.502	66.8	60.0	6.8	55.3	.68	68.2	73.8	NNE	0.0		+	2		Above 10m.
7 „	.972	.494	67.2	61.2	6.0	57.3	.72	68·1	73.7	„	0.0		+	2		Above 10m.
8 „	.994	.461	71.5	64.6	6.9	60.5	.70	70.2	73.7	„	0.1		+	1		Above 10m.
9 „	30.002	.484	74.0	65·0	9.0	59.7	.67	72.0	74.0	„	0.1		+	4		2.10
10 „	.004	.452	75.6	66.6	9.0	61.6	.64	73.3	74.2	„	0.1		+	2		Above 10m.
11 „	29.992	.482	77·2	66.1	11.1	59.6	.56	74.7	74.4	WNW	0.1		+	2		Above 10m.
Noon.	.973	.371	79.4	69.4	10.0	64.2	.61	76.0	74.6	NW b W	0.1		+	1		Above 10m.
1 p. m.	.938	.332	80.9	70.0	10.9	64.4	.59	77.0	74.8	„	0.1	None.	+			
2 „	.917	.204	82.3	73.4	8.9	69.4	.66	78.4	75.0	WNW	0.3		+	1		4.10
3 „	.900	.185	80.8	73.0	7.8	69.5	.70	78.0	75.0	„	0.4		+			
4 „	.892	.151	79.8	73·4	6.4	70.6	.75	77.8	75.3	NW	0.5		+	1		Above 10m.
5 „	.896	.194	77.0	71·5	5.5	68.9	.77	76.6	75.2	„	0.6		+	1		Above 10m.
6 „	.904	.263	74.6	69.0	5.6	66.1	.76	74·9	75.0	NW b N	0.8		+			
7 „	.926	.304	73.4	68.0	5.4	65.2	.77	73.9	75.0	„	0.6		+	1		Above 10m.
8 „	.945	.342	73.0	67.3	5.7	64.3	.76	73.3	75.0	„	0.7		+	1		Above 10m
9 „	.959	.403	72.0	65.5	6.5	61.8	.72	72.5	74·9	N b W	0.0		+	1		Above 10m.
10 „	.961	.429	70.5	64.2	6.3	60.5	.72	72.9	74.6	NNW	0.0		+	1		Above 10m.
11 „	.958	.427	70.6	64.2	6.4	60.4	.72	71.7	74.4	„	0.0		+	3		Above 10m.
Jan. 28th-Midnight	.952	.393	70.3	65.0	5.3	62.0	.76	71.0	74.2	NNW	0.0		+	3		4.20
1 a. m.	.933	.320	71.2	67.0	4.2	64.8	.81	71.8	74.5	„	0.0		+	3		Above 10m.
2 „	.923	.316	70.6	66.6	4.0	64.5	.82	71.4	74.5	„	0·0		+	4		Above 10m.
3 „	.903	.309	70.0	66.0	4.0	63.8	.82	71.0	74.5	„	0.0		+			
4 „	.902	.301	69.4	66.0	3.4	64.2	.84	70.5	74.3	„	0.0		+	1		1.00
5 „	.908	.353	67.8	64.0	3.8	61.8	.82	69.2	74.2	„	0.0		+	3		1.19
6 „	.931	.478	65.0	59.5	5.5	55.7	.73	68.2	74.0	„	0.0		+	1		Above 10m.
7 „	.955	.589	65.0	56.4	8.6	49.4	.60	67.5	73.8	N	0·0	None.	+		None.	
8 „	.981	.553	68.5	60.0	8.5	54.6	.62	68.6	73.8	N b W	0.1		+			
9 „	.998	.549	72.0	62.0	10.0	55.4	.58	70.8	73.9	NNW	0·1		+			
10 „	30.006	.579	74.0	62.0	12.0	53.9	.52	72.0	74.1	NW b N	0.1		+			
11 „	29.996	.556	75.5	63.0	12.5	54.8	.51	73.0	74.2	„	0.4		+			

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ⌒ cumuli; ⌒≀ cirro-strati; ⌒≀ cumulo-strati; and ≀⌒ nimbi.	
0	H	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 76°9 and 81°0.
0	R	"	
0	R	"	
0	R	"	
0	R	"	
0	B	"	
0	B	"	
0	B	Mist and fog in hor.	
0	B	A few ≀ in N hor.; mist and fog in hor.	
0	H	" " "	
0	H	" " "	
0	H	A few ≀ in W hor.; mist along W hor.	
0	H	" " "	
0	R	A few ≀ in W hor.; mist in NW hor.	
0	R	Clear.	
0	R	A few ≀ scattered above W hor.	
0	B	A few ≀ in W hor.	
0	H	A few ≀ about S hor.	
0	B	A few ≀ in S and W. hor.	
0	B	Clear.	
0	B	"	
0	B	"	
0	H	"	
0	H	"	
0	H	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 76°9 and 81°0.
0	R	"	
0	R	"	
0	R	"	
0	R	"	
0	B	"	
0	B	"	
0	B	A few ≀ in N hor.; mist and fog in hor.	
0	B	" " "	
2	H	≀ scattered about; mist and fog in hor.	
2	H	≀ scattered along W hor.; mist and fog in hor.	
2	H	≀ scattered about; mist in WNW hor.	
4	H	≀ scattered about; mist in WNW hor.	
7	R	≀ scattered throughout.	
7	R	" "	
7	R	" ".	
7	R	" "	
6	H	" "	
4	B	≀ scattered about, moving E.	
1	B	≀ scattered about hor.	
0	B	Clear.	
0	B	"	
0	H	"	
0	H	"	
0	H	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 76°8 and 80°9.
0	R	"	
0	R	Clear; dew falling.	
0	R	" "	
0	R	" "	
0	B	" "	
0	B	A few ≀ along E hor.	
0	B	≀ scattered here and there; mist and fog in hor.	
0	B	" " " "	
0	H	A few ≀ in E and W hor.; mist and fog in hor.	
2	H	Light ≀≀ and ≀ scattered around hor.; mist and fog in hor.	
0	H	A few ≀ in hor.; mist in N hor.	

Bombay Civil Time. 1860.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Jan. 28th-Noon.	29.975	29.490	78°0	66°0	12°0	57°7	0.54	74°8	74·4	NW	0.6		+	2		Above 10m.
1 p. m.	.948	.454	78.5	65.8	12.7	58.3	.52	75.6	74.5	NW b N	1.0		+	3		Above 10m.
2 „	.927	.396	79.2	67.2	12.0	60.4	.54	76.1	74.6	NW b W	0.5		+	3		Above 10m.
3 „	.907	.396	78.7	66.4	12.3	59.3	.53	76.1	74.8	WNW	0.5		+	2		Above 10m.
4 „	.904	.399	78.1	66.0	12.1	58.9	.54	76.0	74.9	„	0.4		+	2		Above 10m.
5 „	.910	.421	76.6	65.0	11.6	58.0	.55	75.4	74.9	NW	0.8		+	2		Above 10m.
6 „	.939	.470	74.5	63.6	10.9	56.7	.56	73.9	74.9	„	0.7		+	1		Above 10m.
7 „	.955	.484	73.3	63.3	10.0	57.0	.58	73.1	74.8	NW b N	1.2		+	1		Above 10m
8 „	.973	.494	72.0	63.0	9.0	57.3	.62	72.2	74.7	NNW	0·6		+	2		Above 10m.
9 „	.972	.568	71.3	60.2	11.1	52.3	.53	71.3	74.6	NW	0·7		+	1		Above 10m.
10 „	.973	.569	71.3	60.2	11.1	52.3	.53	71.3	74.5	„	0.2		+	2		Above 10m.
11 „	.971	.566	68.0	59.0	9.0	52.4	.60	69.3	74.2	„	0.0		+	2		Above 10m.
Jan. 30th-Midnight	.969	.473	67.2	61.8	5.4	58.4	.75	69.0	73.0	NNW	0.0		+	3		4.40
1 a. m.	.959	.541	66.8	59·0	7.8	53.3	.64	68.2	73.4	„	0.0		+	2		Above 10m.
2 „	.948	.524	66.3	59.0	7.3	53.7	.66	68.0	73.3	„	0.0		+	2		Above 10m.
3 „	.938	.467	66·0	60.5	5.5	56.8	.74	67.7	73.3	NW b W	0.0		+	5		Above 10m.
4 „	.941	·493	66.7	60.0	6.7	55.3	.69	67.9	73.2	NW b N	0.0		+	2		Above 10m.
5 „	.954	.591	65.5	57.2	8.3	49.2	.61	67.0	73·0	NNW	0.1		+	2		Above 10m.
6 „	.967	.617	64.4	55.5	8.9	48.1	.58	66.0	72.9	„	0.1		+	1		Above 10m.
7 „	.991	·648	63.8	55·0	8.8	47·5	.58	65.2	72.6	„	0.1					
8 „	30.017	.627	66.8	58.0	8.8	51.3	.60	66.9	72.7	„	0.1		+	1		Above 10m.
9 „	.018	.639	70.5	58.7	11.8	49.6	.50	69.0	73.0	„	0.1		+	1		Above 10m.
10 „	.019	.615	73.4	61.0	12.4	52.3	.50	71.0	73.0	NW b W	0.1		+	1		Above 10m.
11 „	.001	.544	75·9	63.7	12.2	55.9	.52	72.7	73.3	NW	0·1		+	1		Above 10m.
Noon.	29.964	.486	77.6	65.0	12.6	57·3	.52	74.2	73.5	„	0.3		+	2		Above 10m.
1 p. m.	.935	.431	78.2	66.0	12.2	58.9	.53	75.0	73.7	„	0·7		+	3		Above 10m.
2 „	.911	.397	78.4	66.4	12.0	59.4	.54	75.4	73.8	„	1.2		+	2		Above 10m.
3 „	.896	.392	78.2	66·0	12.2	58.9	.53	75·7	73·9	„	1.6		+	2		Above 10m.
4 „	.910	.370	77.4	67.4	10.0	60.9	.60	75.4	74·0	„	1.0		+	1		Above 10m.
5 „	.912	.448	75.2	64.0	11.2	56.4	.55	74.2	74.0	„	1.0		+	1		Above 10m.
6 „	.935	.467	73.0	63.0	10.0	56.6	.58	72.5	74.0	„	1.6					
7 „	.950	.471	72·0	63·0	9.0	57.3	.62	72.0	73.9	„	1·3		+	1		Above 10m.
8 „	.967	.503	71.5	62.3	9.2	56.4	.61	71.5	73.9	„	1.0		+	1		Above 10m.
9 „	.986	.494	70.8	63.0	7.8	58.1	.66	71.1	73.7	NNW	0.4		+	2		Above 10m.
10 „	.988	.476	69.0	63.0	6.0	59.3	.73	70.0	73.5	NW b W	0.2		+	3		Above 10m.
11 „	.975	·534	68·4	60.0	8.4	54.9	.62	69.6	73.4	NNW	0·4		+	4		Above 10m.
Jan. 31st-Midnight	.963	.529	68.0	60.0	8.0	54.4	.64	69.5	73.2	NW	0.4		+	4		Above 10m.
1 a. m.	.940	.518	67.8	59.5	8.3	53.6	.63	69.0	73·3	NNW	0.1		+	3		Above 10m.
2 „	.924	.525	66.0	58.0	8.0	51.9	.63	67.7	73.0	N	0.0		+	5		Above 10m.
3 „	.913	.445	66.3	60.5	5.8	56.6	.72	67.7	73.0	„	0·0		+	5		Above 10m.
4 „	.909	.422	65.3	60.8	4.5	57.8	·78	67.0	72.9	„	0.0		+	14	12	4.10
5 „	.911	.517	64.0	57.0	7.0	51.5	.66	66.0	72.8	NNW	0.0		+	2		Above 10m.
6 „	.921	.563	63.7	55.5	8·2	48.8	·61	65.8	72.7	„	0.0		+	1		Above 10m.
7 „	.943	.569	63.4	56.0	7.4	50.0	·64	65.4	72.5	„	0.0		+	3		Above 10m.
8 „	.972	.604	66·4	57.0	9.4	49.6	.57	66.9	72.4	„	0.1		+	1		Above 10m.
9 „	.999	.565	70.6	61.0	9.6	54.4	·59	69.0	72.6	NW b N	0.1		+	1		Above 10m.
10 „	30.003	.621	72.2	69.6	12.6	50.2	.48	70.2	72.8	„	0.1		+	2		Above 10m.
11 „	29.980	.561	74.8	62.0	12·8	53.4	.49	72.0	73.0	NW b W	0.2		+	2		Above 10m.
Noon.	.950	.511	76·8	63.4	13.4	54.7	.49	73.3	73.2	„	0.1		+	2		Above 10m.
1 p. m.	.914	.435	77.5	65.0	12.5	57.3	.52	74.3	73.3	NW	0.4		+	3		Above 10m.
2 „	.886	.378	77.8	66.0	11.8	59.1	.55	74.9	73.5	NW b N	0.5		+			
3 „	.873	.294	77.3	68.0	9.3	63.0	.63	75.0	73.5	„	1.0		+	2		Above 10m.
4 „	.875	.292	76.9	68.0	8.9	63.2	.64	75.0	73.7	„	0.8		+	3		Above 10m.
5 „	.885	·263	74.6	68.4	6.2	65.2	.74	74·0	73.7	„	0.6		+	2		Above 10m
6 „	.897	.335	71.5	65.5	6.0	62.1	.74	72.0	73.7	NW	1.0		+	1		Above 10m.
7 „	.907	.356	71.0	65.0	6.0	61.5	.73	71.5	73.6	NW b N	1.0		+	1		Above 10m.
8 „	.935	·384	71.0	65.0	6.0	61.5	.73	71.4	73.6	NNW	0.5		+	1		Above 10m.
9 „	.951	.395	70.5	65.0	5.5	61.8	.76	71.1	73.6	„	0.3		+	2		Above 10m.
10 „	.951	.386	69.8	65·0	4.8	62.3	.78	71.0	73.2	„	0.2		+	2		Above 10m.
11 „	.944	.400	68.8	64.0	4·8	61.1	.78	70.0	73.0	„	0.1		+	2		Above 10m.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀∩ cirro-cumuli; ∩ cumuli; ∩≀ cirro-strati; ∩≀∩ cumulo-strati; and ∩≀∩ nimbi.	
1	H	≀ scattered around hor.	
1	R	" "	
2	R	≀ scattered in E hem. and about W hor.	
1	R	≀ scattered above E and W hor.	
2	R	" " "	
2	R	" " "	
2	B	" " "	
0	B	A few ≀ in E hor.	
0	B	Clear, except in hor.	
0	B	" "	
0	B	" "	
0	B	" "	
0	H	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 76°8 and 80°9.
0	R	"	
0	R	"	
0	R	"	
0	R	"	
0	B	"	
0	B	"	
0	B	Mist and fog in hor.	
0	B	A few ≀ along W hor.; mist and fog in hor.	
1	R	≀ scattered along W hor.; mist and fog in hor.	
1	R	≀ scattered around hor.; mist and fog in hor.	
1	R	" " " "	
1	R	≀ scattered along E hor.; ≀∩ along W hor.	
1	H	≀ scattered about hor.	
1	H	" "	
1	H	" "	
2	H	" "	
2	H	" "	
2	B	" "	
0	B	A few ≀ in W hor.	
0	B	" "	
1	B	≀ scattered from NE to SW hor.	
0	H	A few ≀ in NE hor.	
0	H	Clear, except in hor.	
0	H	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 76°6 and 80°8:
0	R	"	
0	R	"	
0	R	"	
0	R	"	
0	B	"	
0	B	"	
0	B	Mist and fog in hor.	
0	B	A few ≀ in N hor.; mist and fog in hor.	
0	H	" " "	
0	H	Mist and fog in hor.	
0	H	Mist in WNW hor.	
0	H	" "	
0	R	Clear.	
0	R	"	
0	R	"	
0	R	"	
0	H	"	
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	H	"	
0	H	"	

Bombay Civil Time. 1860.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Scales 1.	Electrical Instruments. Readings of Scales 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Feb. 1st-Midnight	29.943	29.420	63°0	63°0	5°0	60°0	0.77	69°6	73°0	NNW	0.1		+	2		Above 10m.
1 a. m.	.923	.429	66·6	61.5	5.1	58.3	.76	68.7	73.1	„	0.1		+	2		Above 10m.
2 „	.900	.453	65·5	59.5	6.0	55.3	.71	67.9	73.0	N	0.0		+	3		Above 10m.
3 „	.886	.440	64.9	59.2	5.7	55.2	.72	67.0	72.8	N b W	0.0		+	2		Above 10m.
4 „	.887	.393	65.3	61.0	4.3	58.3	.79	67.1	72.7	„	0.0		+	3		Above 10m.
5 „	.898	.501	64.5	57.3	7.2	51.8	.66	66.0	72.6	„	0.0					
6 „	.910	.495	63.4	57.5	5.9	53.1	.71	65.3	72.4	N	0.1					
7 „	.939	.471	65.0	60.0	5.0	56.6	.76	66.1	72.4	NNE	0.0		+	1		Above 10m.
8 „	.962	.454	68.0	62.5	5.5	59.1	.75	67.8	72.4	„	0 0		+	10		1.56
9 „	.973	.583	70.4	59.4	11.0	51.3	.53	69.4	72.6	N b E	0.0		+	1		Above 10m.
10 „	.972	.550	72.7	61.3	11.4	53.6	.53	70.6	72.8	NE	0.1		+	1		Above 10m.
11 „	.951	.515	74.8	62.6	12.2	54.5	.52	72.0	73.0	EE	0.1		+	1		Above 10m.
Noon.	.922	.383	76.5	66.5	10.0	60.9	.61	72.2	73.2	NW	0.2	None.	+	1	None.	Above 10m.
1 p. m.	.885	.325	77.2	67.4	9.8	62.0	.61	74.2	73.3	N b W	0.6		+	1		Above 10m.
2 „	.862	.268	77.1	68.4	8.7	63.8	.65	74.6	73.4	NNW	0.4		+	2		Above 10m.
3 „	.849	.234	77.0	69.0	8.0	64.9	.68	74.9	73.5	NW b N	0.5		+	2		Above 10m.
4 „	.857	.223	76.5	69.4	7.1	65.8	.71	75.0	73.6	„	0.8		+	2		Above 10m.
5 „	.864	.241	74.8	68.5	6.3	65.3	.73	74.0	73.6	„	0.7		+	2		Above 10m.
6 „	.884	.268	72.4	67.5	4.9	64.9	.78	72.3	73.6	„	0.7		+	1		Above 10m.
7 „	.896	.332	71.3	65.5	5.8	62.2	.74	71.6	73.6	NNW	0.7		+	1		Above 10m.
8 „	.924	.325	71.0	66.5	4.5	64.1	.80	71.5	73.5	„	0.2					
9 „	.933	.335	70.6	66.2	4.4	64.0	.80	71.2	73.5	„	0.2					
10 „	.937	.335	70.2	66.2	4.0	64.2	.82	71.0	73.4	„	0.1		+	1		Above 10m.
11 „	.921	.344	68.6	65.0	3.6	62.9	.83	70.1	73.2	„	0.1		+	1		Above 10m.
Feb. 2nd-Midnight	.913	.441	67.7	63.8	3.9	61.5	.90	69.6	73.0	N b W	0.0		+	2		Above 10m.
1 a. m.	.895	.351	67.2	63.4	3.8	61.2	.82	69.0	73.2	N	0.0		+	2		Above 10m.
2 „	.889	.317	67.1	64.3	2.8	62.7	.87	68.7	73.0	„	0.0		+	2		Above 10m.
3 „	.878	.352	66.1	62.4	3.7	60.1	.82	68.4	73.0	N b W	0.0		+	3		Above 10m.
4 „	.876	.358	65.7	62.0	3.7	59.7	.82	67.7	72.7	N	0.0		+	1		Above 10m.
5 „	.888	.417	64.7	60.0	4.7	56.8	.77	66.9	72.6	„	0.0					
6 „	.903	.424	64.0	60.0	4.0	57.3	.80	66.0	72.5	N b E	0.0		+	1		Above 10m.
7 „	.929	.396	64.4	62.0	2.4	60.5	.88	66.1	72.4	NE	0.0		+	1		Above 10m.
8 „	.949	.396	67.7	63.9	3.8	61.6	.82	67.7	72.4	„	0.0					
9 „	.966	.468	71.1	63.3	7.8	58.5	.66	70.0	72.6	„	0.1		+	1		Above 10m.
10 „	.964	.487	73.4	63.2	10.2	57.2	.58	71.0	72.7	„	0.1		+	1		Above 10m.
11 „	.952	.406	74.4	66.0	8.4	61.4	.65	72.2	73.0	„	0.1		+	1		Above 10m.
Noon.	.913	.409	75.8	65.2	10.6	58.9	.58	73.0	73.0	WNW	0.1	None.	+	1		Above 10m.
1 p. m.	.888	.358	77.6	66.6	11.0	60.4	.57	74.4	73.4	NNW	0.1					
2 „	.859	.288	78.0	68.0	10.0	62.6	.61	75.2	73.5	NW b N	0.5					
3 „	.841	.226	77.9	69.3	8.6	64.9	.66	75.5	73.6	„	0.5					
4 „	.839	.226	77.2	69.0	8.2	64.8	.67	75.4	73.7	NNW	0.3		+	2		Above 10m.
5 „	.843	.210	75.4	69.0	6.4	65.7	.73	74.8	73.7	„	0.5		+	8	6	1·20
6 „	.856	.204	73.6	69.0	4.6	66.6	.80	73.2	73.9	„	0.6		+	15	15	1.08
7 „	.876	.231	72.8	68.5	4.3	66.3	.81	72.9	73.8	„	1.2		+	10	8	0.56
8 „	.904	.271	72.4	68.0	4.4	65.7	.81	72.5	73.8	„	1.0		+	10	8	0.30
9 „	.918	.281	72.0	68.0	4.0	65.9	.82	72.2	73.8	N	0.5		+	6	5	1.56
10 „	.932	.317	71.6	67.2	4.4	64.9	.81	72.0	73.6	„	0·4		+	12	10	1.10
11 „	.933	.346	70.6	66.0	4.6	63.4	.79	71.6	73.5	„	0.2		+	10	8	0.40
Feb. 3rd-Midnight	.927	.381	69.2	64.2	5.0	61.3	.77	70.6	73.4	N b E	0.0		+	10	8	0.40
1 a. m.	.917	.392	68.4	63.2	5.2	60.1	.76	70.0	73.4	N	0.0		+	7	5	3.10
2 „	.890	.366	67.9	63.0	4.9	60.0	.77	69.5	73.4	„	0.0		+	4		Above 10m.
3 „	.885	.349	66.8	63.0	3.8	60.7	.82	68.8	73.2	„	0.0		+	6	4	3.00
4 „	.878	.348	66.2	62.6	3.6	60.4	.83	68.1	73.0	„	0.0		+	3		Above 10m.
5 „	.885	.336	66.2	63.2	3.0	61.4	.85	67.5	73.0	N b E	0.0					
6 „	.897	.350	65.8	63.0	2.8	61.3	.87	67.4	72.9	„	0.0		+	2		Above 10m.
7 „	.915	.372	65.6	62.8	2.8	61.1	.87	67.1	72.7	„	0.0	None.	+	3		2.06
8 „	.944	.375	69.4	65.0	4.4	62.5	.80	68.9	72.9	„	0.0		+	9	7	3.18
9 „	.971	.431	72.0	65.0	7.0	60.9	.70	70.6	73.2	NNE	0.1		+	1		Above 10m.
10 „	.972	.467	75.2	65.0	10.2	58.9	.59	72.6	73.3	N	0.2		+	1		Above 10m.
11 „	.965	.398	77.8	67.8	10.0	62.4	.61	74.6	73.5	„	0.1		+	1		Above 10m.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌐i cirri; ⌐⌐i cirro-cumuli; ⌒i cumuli; ⌒i cirro-strati; ⌒i cumulo-strati; and ⌒i nimbi.	
0	H	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 76°6 and 80°7; at 6 A. M. the temperature of free air was 63°4, least during the month; and the temperature of evaporation at 5 A. M. was 57°3, the least in the month.
0	R	"	
0	R	"	
0	R	"	
0	R	"	
0	B	"	
0	B	"	
0	B	Mist; fog in hor.	
0	B	" "	
0	H	" "	
0	H	" "	
0	H	Mist in WNW and N hor.	
0	H	" " "	
0	R	" " "	
0	R	Clear.	
0	R	"	
0	R	"	
0	H	"	
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	H	Clear; dew falling.	
0	H	" "	
0	H	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 76°5 and 80°7.
0	R	" "	
0	R	" "	
0	R	" "	
0	R	" "	
0	B	" "	
0	B	" "	
0	B	Mist; fog in hor.	
0	B	A few ⌐i in N hor.; mist and fog in hor.	
0	H	Light ⌐i scattered in S; mist and fog in hor.	
2	H	Light ⌐i scattered about hor. from S to N; mist and fog in hor.	
2	H	Light ⌐i scattered along W hor.; mist in WNW and N hor.	
6	H	⌐i scattered throughout.	
8	R	" "	
7	R	⌐i scattered throughout, moving NE.	
7	R	" " "	
7	R	⌐i scattered throughout, moving ENE.	
7	H	" " "	
7	B	" " "	
7	B	" " "	
7	B	" " "	
7	B	" " "	
8	H	" " "	
7	H	⌐i scattered throughout, moving NE.	
7	H	⌐i scattered throughout, moving NE.	Mean daily temperature of ground 20 and 60 inches below its surface 76°5 and 80°5.
6	R	" " "	
6	R	" " "	
4	R	⌐i scattered about zth.; light dew falling.	
3	R	⌐i scattered about hor.; light dew falling.	
3	B	" " "	
6	B	⌐i scattered throughout, moving E.	
6	B	⌐i scattered throughout, moving E; mist and fog in hor.	
6	B	⌐i scattered throughout, moving ENE; mist and fog in hor.	
6	H	" " " "	
6	H	" " " "	
4	H	⌐i scattered about hor., except in S; mist in N hor.	

Bombay Civil Time. 1860.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet-Bulb Thermometer.	Depression of Wet-Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in seconds between degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Feb. 3rd–Noon.	29.932	29.398	77°8	66°8	11°0	60°6	0.57	74°8	73°8	NNW	0.1		+	2		Above 10m.
1 p. m.	.900	.307	79.0	69.0	10.0	63.8	.61	75.9	73.9	NW	0.1		+	2		Above 10m.
2 „	.872	.285	79.5	69.0	10.5	63.4	.60	76.5	74.0	NW b N	0.6		+	2		Above 10m.
3 „	.866	.283	79.3	68.8	10.5	63.4	.59	76.7	74.2	NW	0.8		+	2		Above 10m.
4 „	.864	.302	78.8	68.0	10.8	62.1	.58	76.6	74.4	„	0.8		+	2		Above 10m.
5 „	.869	.316	77.2	67.2	10.0	61.6	.60	75.6	74.4	„	0.2	None.	+	2		Above 10m.
6 „	.887	.399	75.6	64.6	11.0	57.9	.56	74.5	74.4	„	0.2		+	1		Above 10m.
7 „	.901	.378	74.7	65.4	9.3	60.0	.62	73.9	74.4	NW b N	0.5		+	1		Above 10m.
8 „	.924	.374	74.0	66.0	8.0	61.5	.67	73.4	74.3	„	0.2		+	2		Above 10m.
9 „	.935	.364	72.1	66.0	6.1	62.6	.73	72.5	74.1	„	0.1		+	2		Above 10m.
10 „	.934	.435	71.6	63.5	8.1	58.6	.65	72.0	74.0	„	0.1		+	2		Above 10m.
11 „	.930	.412	69.3	63.3	6.0	59.7	.73	70.7	73.8	NW	0.0		+	6	5	3.20
Feb. 4th-Midnight	.920	.350	69.3	65.0	4.3	62.6	.80	70.3	73.7	NW b N	0.0		+	5		4.10
1 a. m.	.916	.333	71.0	66.0	5.0	63.2	.78	71.2	73.7	NNW	0.0		+	3		3.20
2 „	.904	.285	71.2	67.2	4.0	65.2	.82	71.6	73.7	NW b N	0.2		+	2		Above 10m.
3 „	.898	.336	70.0	65.0	5.0	62.1	.73	71.0	73.6	„	0.1		+	2		Above 10m.
4 „	.893	.441	69.0	61.0	8.0	55.6	.64	70.0	73.5	„	0.2		+	2		Above 10m.
5 „	.910	.493	67.4	59.0	8.4	52.9	.62	68.5	73.4	N	0.1		+	1		Above 10m.
6 „	.926	.527	67.0	58.0	9.0	51.9	.59	68.1	73.3	NNW	0.1		+	3		3.18
7 „	.961	.480	66.7	61.2	5.5	57.6	.73	67.8	73.1	N b W	0.1		+	2		Above 10m.
8 „	.974	.462	70.6	63.6	7.0	57.3	.69	69.9	73.2	„	0.1		+	12	10	1.08
9 „	.990	.440	74.0	66.0	8.0	61.5	.67	72.0	73.4	N	0.1		+	2		Above 10m.
10 „	.997	.477	75.6	65.6	10.0	59.8	.60	73.1	73.6	NE b N	0.1		+	3		Above 10m.
11 „	.966	.467	76.6	65.3	11.3	58.6	.56	74.0	73.8	NE	0.1	None.	+	3		Above 10m.
Noon.	.934	.476	78.0	64.5	13.5	56.0	.49	75.0	73.9	N b W	0.1		+	2		Above 10m.
1 p. m.	.893	.302	79.2	69.0	10.2	63.7	.61	76.0	74.0	NW	0.4		+	2		Above 10m.
2 „	.864	.234	78.7	70.0	8.7	65.6	.66	76.4	74.2	NW b W	0.6		+	1		Above 10m.
3 „	.854	.236	78.6	69.6	9.0	65.0	.65	76.5	74.4	„	1.0		+	1		Above 10m.
4 „	.848	.224	78.3	69.7	8.6	65.3	.66	76.3	74.5	NW	0.6		+	1		Above 10m.
5 „	.860	.245	77.0	69.0	8.0	64.9	.68	75.6	74.5	„	0.5		+	2		Above 10m.
6 „	.872	.264	74.6	68.0	6.6	64.5	.72	74.6	74.4	„	0.6		+	1		Above 10m.
7 „	.894	.279	74.0	68.0	6.0	64.9	.74	74.0	74.3	„	0.4		+	1		Above 10m.
8 „	.909	.307	73.4	67.4	6.0	64.2	.75	74.0	74.2	„	0.2		+	1		Above 10m.
9 „	.917	.291	73.0	68.0	5.0	65.4	.78	73.0	74.0	„	0.1		+	1		Above 10m.
10 „	.922	.393	72.0	65.0	8.0	60.3	.66	72.6	74.0	NW b N	0.1		+	1		Above 10m.
11 „	.908	.368	72.0	65.0	7.0	60.9	.61	72.0	73.8	„	0.1		+	1		Above 10m.
Feb. 6th-Midnight	.905	.346	71.8	65.5	6.3	62.0	.72	72.2	74.5	NW	0.1					
1 a. m.	.890	.313	71.0	65.8	5.2	62.9	.77	72.0	74.2	„	0.0					
2 „	.878	.398	69.2	62.0	7.2	57.4	.68	71.6	74.0	NNW	0.0					
3 „	.873	.398	69.6	62.0	7.6	57.1	.66	71.5	73.8	„	0.0					
4 „	.873	.303	70.4	65.4	5.0	62.6	.77	71.4	73.9	N	0.0					
5 „	.868	.287	69.4	65.4	4.0	63.1	.82	70.4	73.9	„	0.0					
6 „	.886	.319	69.5	65.0	4.5	62.4	.80	70.2	73.8	„	0.0					
7 „	.919	.406	68.9	63.0	5.9	59.4	.73	69.7	73.7	„	0.0					
8 „	.935	.396	71.5	64.8	6.7	60.9	.71	71.0	73.8	NNW	0.0					
9 „	.974	.467	75.0	65.0	10.0	59.0	.59	72.8	74.1	„	0.0					
10 „	.967	.469	78.2	65.8	12.4	58.5	.52	74.7	74.4	„	0.1					
11 „	.942	.422	79.6	67.0	12.6	59.8	.53	75.8	74.6	N b E	0.1					
Noon.	.912	.286	80.4	70.4	10.0	65.4	.62	76.8	74.9	W	0.2	None.			None.	
1 p. m.	.885	.216	80.4	71.6	8.8	67.4	.66	77.6	75.0	„	0.1		+	1		Above 10m.
2 „	.853	.168	80.2	72.0	8.2	68.1	.68	77.9	75.1	WNW	0.2		+	1		Above 10m.
3 „	.835	.118	80.0	72.8	7.2	69.6	.72	77.9	75.2	NW b W	0.3		+	2		Above 10m.
4 „	.843	.127	79.4	72.6	6.8	69.5	.73	77.8	75.3	NW	0.2		+	2		Above 10m.
5 „	.845	.165	77.4	71.0	6.4	67.9	.74	76.8	75.4	„	0.1		+	1		Above 10m.
6 „	.874	.229	76.1	69.6	6.5	66.4	.73	76.0	75.3	„	0.1		+	1		Above 10m.
7 „	.896	.244	75.5	69.6	5.9	66.6	.75	75.3	75.3	„	0.1		+	2		Above 10m.
8 „	.924	.218	75.0	71.0	4.0	69.1	.83	75.0	75.3	„	0.1		+	1		Above 10m.
9 „	.943	.237	75.0	71.0	4.0	69.1	.83	74.5	75.3	WNW	0.1					
10 „	.941	.256	74.4	70.2	4.2	68.1	.82	74.3	75.3	„	0.0		+	2		Above 10m.
11 „	.919	.275	74.4	69.0	5.4	66.3	.77	74.3	75.3	„	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≤≤ cirro-cumuli; ⌒ cumuli; ⌒≤ cirro-strati; ⌒⌒ cumulo-strati; and ≤⌒ nimbi.	
1	H	≤ scattered around hor.; mist in N hor.	
1	R	Dense and light ≤ scattered along E hor.	
1	R	" " "	
0	R	A few ≤ in E hor.	
0	R	A few ≤ in N hor.	
0	R	" "	
0	B	" "	
0	B	Cloudless.	
0	B	"	
1	R	≤ scattered along W hor.	
2	R	" "	
2	R	" "	
2	R	Light ≤≤ scattered from W to NE hor., moving NE.	Mean daily temperature of ground 20 and 60 inches below its surface 76°4 and 80°6.
0	H	Light ≤≤ and ≤ above W hor., moving NE.	
0	H	A few ≤ scattered around hor.	
1	H	≤ scattered along W hor.	
1	H	" "	
1	B	≤ scattered from E to W hor.	
0	B	A few ≤ along E hor.	
1	B	≤ scattered around hor.; mist and fog in hor.	
1	B	" " " "	
0	H	A few ≤ along N hor.; mist and fog in hor.	
0	H	A few ≤ along W hor.; mist and fog in hor.	
0	H	" " " "	
0	H	" " " "	
0	R	A few ≤ from W to N hor.	
0	R	" " "	
1	R	≤ scattered around hor.	
1	R	Light ≤ scattered about, moving E.	
2	H	≤ scattered in W hem.	
5	H	≤ scattered about, moving NE.	
8	H	" " "	
7	H	" " "	
6	H	" " "	
6	H	" " "	
7	H	" " "	
0	B	≤ scattered from W to NE hor.	Mean daily temperature of ground 20 and 60 inches below its surface 76°4 and 80°6.
0	C	A few ≤ above E, SE, and S hor.	
0	C	" " "	
2	C	≤ scattered about, moving E.	
1	C	≤ scattered along W hor., moving E.	
2	R	≤ scattered in W hem., moving E.	
4	R	≤ scattered about, moving E.	
7	R	≤ scattered throughout, moving E; mist along W hor.	
7	R	" " " "	
6	B	" " " "	
6	B	" " " "	
6	B	" " " "	
6	B	≤ and light ≤≤ scattered about, both moving NE; mist along W hor.	
7	C	≤ and ≤≤ scattered about, both moving ENE.	
7	C	" " "	
8	C	" " "	
8	C	Overcast with ≤ and ≤≤, both moving NE.	
8	R	" " " "	
8	R	" " " "	
8	R	" " " "	
8	R	" " " "	
8	B	" " " "	
8	B	" " " "	
7	B	≤ and ≤≤ scattered throughout, both moving ENE.	

Bombay Civil Time. 1860.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet-Bulb Thermometer.	Depression of Wet-Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volts 1.	Readings of Straws of Volts 2.	Interval of Time in reconverging the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Feb. 7th-Midnight	29.915	29.260	74°3	69°3	5°0	66°8	0.78	74°2	75°3	NW b N	0.1		+	3		3.27
1 a. m.	.908	.286	73.4	68.0	5.4	65.2	.77	74.0	75.2	NNW	0.0					
2 „	.898	.308	72.7	66.8	5.9	63.6	.74	73.8	75.1	N b W	0.0					
3 „	.881	.279	72.2	67.0	5.2	64.2	.77	73.0	75.0	NNW	0.1					
4 „	.875	.307	70.6	65.4	5.2	62.5	.77	72.0	75.0	„	0.0					
5 „	.894	.302	70.2	66.0	4.2	63.7	.81	71.6	74.8	„	0·0					
6 „	.913	.241	71.8	69.0	2.8	67.6	.88	72.2	74.7	NW b W	0.0					
7 „	.927	.328	70.7	66.4	4.3	64.1	.81	71.7	74.7	NNW	0.0					
8 „	.945	.358	71.5	66.3	5.2	63.4	.77	71.9	74.6	„	0·0					
9 „	.977	.370	73.8	67.7	6.1	64.5	.74	72.8	74.8	„	0·1					
10 „	.982	.375	76.2	68.5	7.7	64.5	.68	74.2	75.0	NW	0·1					
11 „	.955	.337	76.7	69.0	7.7	65.0	.69	75.0	75.1	„	0.2					
Noon.	.930	.296	78.4	70.0	8.4	65.8	.67	76.0	75.3	NW b N	0.2	None.			None.	
1 p. m.	.903	.261	79.2	70.5	8.7	66.2	.65	76.9	75.5	NW b W	0.2					
2 „	.875	.215	79.2	71.0	8.2	67.0	.68	77.0	75.5	NW	0.4					
3 „	.857	.193	78.8	71.0	7.8	67.2	.69	77.0	75.6	„	0.4					
4 „	.853	.252	79.5	69.4	10.1	64.2	.61	77.4	75.7	„	0·1					
5 „	.853	.189	78.8	71.0	7.8	67.2	.69	77.4	75.7	„	0.1					
6 „	.870	.223	76.2	69.7	6.5	66.4	.73	76.0	75.6	„	0·1					
7 „	.888	.208	75.0	70.4	4.6	67.9	.80	75.1	75.5	„	0·2					
8 „	.913	.199	74.3	71.0	3.3	69.3	.86	74.7	75.5	„	0.2					
9 „	.938	.256	74.0	70.0	4.0	68.0	.83	74.3	75.4	„	0.3					
10 „	.938	.268	72.0	69.0	3.0	67.5	.87	73.2	75.3	„	0·0					
11 „	.937	.263	71.6	69.0	2.6	67.7	.88	72.7	75.3	„	0.0					
Feb. 8th-Midnight	.932	.254	71.3	69.0	2.3	67.8	.90	72.4	75.2	NW	0.0					
1 a. m.	.914	.195	71.9	70.4	1.5	69.7	.93	72.3	75.2	„	0.0					
2 „	.902	.196	71.8	70.0	1.8	69.1	.92	72.1	75.2	NW b N	0.1					
3 „	.893	.221	71.8	69.0	2.8	67.6	.88	71.9	75.2	„	0·2					
4 „	.889	.274	71.0	67.0	4.0	64.9	.82	71.6	75.0	„	0.3					
5 „	.899	.283	69.5	66.5	3.0	64.9	.86	71.4	74.9	NNW	0.1					
6 „	.918	.336	68.2	65.0	3.2	63.2	.85	70·3	74.7	„	0.0					
7 „	.947	.299	68.0	67.0	1.0	66.5	.95	69.7	74.5	NE b N	0.1					
8 „	.958	.263	72.8	70.0	2.8	68.6	.88	72.0	74.6	ENE	0.1					
9 „	.993	.313	74.8	70.2	4.6	67.9	.80	73.9	74.9	„	0.1					
10 „	.996	.275	76.9	72.0	4.9	69.7	.80	74.9	75.2	NW b W	0.1					
11 „	.969	.284	78.2	71.4	6.8	68.1	.73	75.9	75.3	„	0.2					
Noon.	.937	.275	79.0	71.0	8.0	67.1	.68	76.4	75.4	„	0.2	None.	None.	None.	None.	None.
1 p. m.	.889	.208	80.5	72.0	8.5	68.0	.67	77.2	75.6	WNW	0.2					
2 „	.859	.145	81.3	73.1	8.2	69.3	.68	78.0	75.8	„	0.2					
3 „	.842	.127	81.5	73.2	8.3	69.5	.68	78.5	76.0	NW b W	0.4					
4 „	.842	.146	81.2	72.6	8.6	68.6	.67	78.8	76.2	NW	0.4					
5 „	.839	.221	79.8	70.0	9.8	65.0	.62	78.0	76.0	„	0.1					
6 „	.844	.228	76.9	69.0	7.9	64.9	.68	76.4	75.9	„	0.1					
7 „	.871	.209	75.8	70.0	5.8	67.1	.76	75.7	75.9	„	0.4					
8 „	.892	.214	75.3	70.3	5.0	67.8	.79	75.2	75.7	„	0.2					
9 „	.906	.238	74.6	67.8	4.8	67.4	.79	74.7	75.7	„	0.1					
10 „	.901	.307	72.9	67.0	5.9	63.8	.74	73.2	75.6	NNW	0.1					
11 „	.899	.246	73.3	68.9	4.4	66.7	.80	73.4	75.6	„	0.0					
Feb. 9th-Midnight	.880	.243	72.0	68.0	4.0	65.9	.82	72.9	75.5	N b W	0.0					
1 a. m.	.871	.209	72.7	69.0	3.7	67.1	.84	73.2	75.6	„	0.0					
2 „	.845	.213	73.4	68.3	5.1	65.7	.78	73.7	75.7	„	0.3					
3 „	.844	.272	72.0	66.0	6.0	62.7	.74	72.6	75.6	„	0.2					
4 „	.848	.335	70.8	63.7	7.1	59.3	.69	71.8	75.4	„	0.1					
5 „	.843	.297	69.6	64.5	5.1	62.1	.77	71.0	75.0	„	0 1					
6 „	.866	.357	69.3	63.0	6.3	59.2	.71	70.5	74.9	NW b N	0.1	None.	None.	None.	None.	None.
7 „	.880	.350	68.5	63.4	5.1	60.4	.77	69.7	74.7	„	0·0					
8 „	.901	.240	72.8	69.0	3.8	67.1	.83	71.6	74.8	NNE	0.0					
9 „	.933	.349	76.8	68.0	8.8	63.3	.65	73.8	75.1	NE b N	0.0					
10 „	.936	.350	77.6	68.3	9·3	63.4	.63	74.5	75.3	N	0.1					
11 „	.910	.306	78.0	69.0	9.0	64.3	.64	75.3	75.4	NW b W	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩≀ cumuli; ⌣≀ cirro-strati; ∩⌣≀ cumulo-strati; and ≀⌣≀ nimbi.	
8	B	Overcast with ≀ and ≀≀, both moving NE.	Mean daily temperature of ground 20 and 60 inches below its surface 76°9 and 80°5.
7	C	≀ and ≀≀ scattered throughout, both moving ENE.	
8	C	Overcast with ≀ and ≀≀, both moving E.	
8	C	" " "	
6	C	≀ and ≀≀ scattered about, moving E.	
8	R	Overcast with ≀ and ≀≀, both moving E.	
8	R	" " "	
8	R	" " "	
8	R	" " "	
8	B	Overcast with ≀ and ≀≀, moving ENE; mist and fog in hor.	
8	B	" " " "	
8	B	" " " "	
8	B	Overcast with ≀ and ≀≀, moving E.	
8	C	" " "	
8	C	" " "	
8	C	" " "	
8	C	≀ and ≀≀ scattered throughout.	
8	R	Overcast with ≀ and ≀≀.	
8	R	" "	
7	R	≀ and ≀≀ scattered throughout, both moving E.	
6	R	≀ and ≀≀ scattered throughout, moving ENE.	
7	B	≀ and ≀≀ scattered throughout, moving E.	
7	B	≀ and ≀≀ scattered throughout; dew falling.	
7	B	" " "	
7	B	≀ scattered throughout, moving E; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 77°0 and 80°5.
7	C	≀ scattered throughout; a lunar-halo; dew falling.	
7	C	" " " "	
7	C	" " " "	
7	C	" " " "	
5	R	≀ scattered about, moving E; dew falling.	
3	R	≀ scattered about hor., and in S, moving E.	
3	R	≀ along E hor.; ≀≀ scattered in E and S, moving E; mist from W to N hor.	
2	R	≀ scattered about hor. from NE to SW; mist and fog in hor.	
0	B	A few ≀ scattered from E to S hor.; mist and fog in hor.	
0	B	" " " "	
0	B	Mist along N hor.; fog in E.	
0	B	Mist in N and NE hor.	
0	C	A few pieces of clouds in E hor.	
0	C	" " "	
0	C	Clear.	
0	C	"	
0	R	"	
0	R	"	
0	R	"	
0	R	"	
0	B	"	
0	B	"	
0	B	"	
0	B	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 77°0 and 80°5.
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	R	"	
0	R	"	
0	R	Mist around hor.	
0	R	A few ≀ in NW hor; mist and fog in hor.	
0	B	Mist and fog in hor.	
0	B	A few ≀ in NE hor.; mist and fog in hor.	
0	B	A few ≀ in NW hor.; mist and fog in hor.	

Bombay Civil Time. 1860.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in seconds for the same degree of tension after discharge.
	in.	in.									lbs.	in.				
Feb. 9th—Noon.	29.887	29.281	79°4	69°5	9°9	64°4	0.62	76°4	75°6	NW b W	0.2					
1 p. m.	.855	.221	80.2	70.6	9.6	65.8	.63	77.2	75.6	WNW	0.2					
2 „	.838	.151	81.0	72.3	8.7	68.2	.67	77.9	75.8	W b N	0·3					
3 „	.816	.110	81.6	73.0	8.6	69.1	.67	78.4	76.0	„	0.2					
4 „	.818	.087	81.7	73.7	8.0	70.2	.69	78.7	76.2	„	0.2					
5 „	.823	.080	79.6	73.6	6.0	70.7	.76	78.0	76.1	„	0.1					
6 „	.847	.123	76.6	72.0	4.6	69.9	.81	76.5	75.9	„	0.1	None.	None.	None.	None.	None.
7 „	.869	.120	75.4	72.3	3.1	70.9	.87	75.7	75.9	„	0.2					
8 „	.881	.143	74.4	71.7	2.7	70.5	.88	75.0	75.8	WNW	0.2					
9 „	.903	.208	72.8	70.0	2.8	68.6	.88	74.0	75.6	„	0.0					
10 „	.911	.211	72.4	70.0	2.4	68.8	.89	73.4	75.6	NW b W	0.0					
11 „	.912	.227	71.3	69.2	2.1	68.1	.90	72.5	75.5	NNW	0.0					
Feb. 10th—Midnight	.907	.221	70.5	69.0	1.5	68.2	.93	72.2	75.5	NNW	0.0					
1 a. m.	.894	.183	71.4	70.0	1.4	69.3	.94	72.5	75.6	NW	0.0					
2 „	.866	.145	72.1	70.6	1.5	69.7	.93	73.0	75.6	„	0.0					
3 „	.854	.150	72.0	70.0	2.0	69.0	.91	72.8	75.6	„	0.0					
4 „	.854	.164	71.4	69.4	2.0	68.4	.91	72.4	75.5	„	0.0					
5 „	.858	.199	70.0	68.0	2.0	67.0	.91	71.5	75.2	N b W	0.0					
6 „	.874	.279	68.5	65.5	3.0	63.9	.86	70.3	75.0	NNW	0.0					
7 „	.898	.384	67.9	62.9	5.0	59.4	.77	69.6	74.8	„	0.0					
8 „	.905	.432	71.2	62.5	8.7	57.0	.63	70.9	74.8	N	0.0					
9 „	.934	.449	75.6	64.5	11.1	57.7	.56	73.5	75·1	„	0.1					
10 „	.940	.441	78.6	66.0	12.6	58.6	.52	75.2	75.3	N b W	0.1					
11 „	.927	.389	78.6	67.2	11.4	60.8	.56	75.9	75.5	NW	0.1	None.	None.	None.	None.	None.
Noon.	.889	.266	79.4	70.0	9.4	65.3	.62	76.3	75.6	NW b W	0.1					
1 p. m.	.855	.196	80.6	71.4	9.2	67.0	.65	77.4	75.7	WNW	0.3					
2 „	.840	.161	80.7	72.0	8.7	67.9	.67	78.0	75.9	NW	0.5					
3 „	.818	.121	81.4	72.7	8.7	68.7	.67	78.7	76.0	NW b W	0·4					
4 „	.812	.129	81.7	72.4	9.3	68.1	.65	79.0	76.2	NW	0.4					
5 „	.831	.167	80.5	71.5	9.0	67.2	.66	78.5	76.3	„	0.4					
6 „	.851	.260	78.0	68.6	9.4	63.7	.63	77.0	76.1	„	0.5					
7 „	.858	.262	77.2	68.5	8.7	63.9	.65	76.5	76.1	„	1.0					
8 „	.885	.234	76.8	70.0	6.8	66.6	.72	76.0	76.1	„	0.4					
9 „	.898	.294	75.0	68.0	7.0	64.3	.71	75.0	76.1	NNW	0.0					
10 „	.906	.352	74.2	66.2	8.0	61.7	.67	74.3	76.0	NW b W	0.0					
11 „	.895	.411	74.0	63.9	10.1	57.6	.58	74.0	75.9	NNW	0.0					
Feb. 11th—Midnight	.886	29.394	72.4	63.6	8.8	58.1	.63	72.9	75.8	NNW	0.0					
1 a. m.	.870	.225	74.3	69.0	5.3	66.3	.77	73.9	75.7	NW b W	0.2					
2 „	.860	.230	73.8	68.7	5.1	65.6	.78	73.8	75.6	NW	0.3					
3 „	.845	.175	73.2	69.4	3.8	67.5	.83	73.7	75.5	NNW	0.2					
4 „	.841	.237	72.0	67.0	5.0	64.3	.78	72.7	75.5	N	0·0					
5 „	.839	.237	70.8	66.5	4.3	64.2	.81	72.0	75.4	„	0.0					
6 „	.852	.345	70.6	63.4	7.2	59.0	.69	71.7	75.4	„	0·0					
7 „	.882	.347	70.5	64.3	6.2	60.6	.73	71.3	75.3	„	0.0					
8 „	.899	.317	74.0	67.0	7.0	63.2	.70	72.7	75.2	„	0.0					
9 „	.928	.320	77.6	69.0	8.6	64.5	.66	74.0	75.2	NNE	0.1					
10 „	.929	.313	80.0	70.0	10.0	64.9	.62	76.5	75.8	„	0.1					
11 „	.911	.340	81.6	69.2	12.4	62.6	.54	77.8	76.0	„	0·1	None.	None.	None.	None.	None.
Noon.	.881	.172	82·4	73.3	9.1	69.2	.66	78.5	76.3	NW	0.2					
1 p. m.	.837	.118	82.8	73.7	9.1	69.7	.66	79.1	76.5	NW b W	0.2					
2 „	.823	.113	83.7	73·7	10.0	69.3	.63	80.0	76.6	„	0.2					
3 „	.809	.045	83.2	75.0	8.2	71.5	.69	80.3	76.8	NW	0.3					
4 „	.819	.084	82.4	74.0	8.4	70.3	.68	80.0	76.8	„	0.4					
5 „	.822	.111	81.2	73.0	8.2	69.3	.69	79.5	77.0	„	0.4					
6 „	.828	.138	78.4	71.6	6.8	68.4	.73	78.0	76.8	„	0.2					
7 „	.855	.157	77.0	71.4	5.6	68.7	.77	77.0	76.6	„	0·5					
8 „	.874	.185	76·5	71.0	5.5	68.3	.77	76.5	76.5	„	0.5					
9 „	.893	.180	76.0	71.5	4.5	69.4	.81	76.0	76.5	„	0.3					
10 „	.902	.300	75.2	68.0	7.2	64.2	.70	75.5	76.5	NNW	0.0					
11 „	.890	.267	74.8	68.5	6.3	65.3	.73	75.0	76.4	„	0.0					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≈ cirri; ≈ cirro-cumuli; ≈ cumuli; ≈ cirro-strati; ≈ cumulo-strati; and ≈ nimbi.	
0	B	A few ≈ in NW and S hor.; mist and fog in hor.	
0	C	Clear.	
0	C	A few ≈ above W and NW hor., moving E.	
1	C	Light ≈ scattered from W to NE, about hor.	
2	C	Light ≈ scattered here and there, moving E.	
3	R	" " "	
4	R	" " "	
0	R	A few ≈ in NE and NW above hor.	
0	R	A few ≈ in NW, E, and about zth.	
1	B	≈ scattered about hor.; dew falling.	
0	B	Clear; dew falling.	
0	B	" "	
0	B	A few ≈ in S; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 76°8 and 80°4.
0	C	A few ≈ in E; dew falling.	
1	C	≈ scattered in W and NW; dew falling.	
1	C	≈ scattered from W to E hor.; dew falling.	
1	C	≈ scattered in W and NW hor.; dew falling.	
2	R	≈ scattered around hor., except in S; dew falling.	
2	R	≈ scattered about hor.	
2	R	≈ scattered around hor.; mist and fog in hor.	
4	R	≈ scattered about, moving NE; mist and fog in hor.	
2	B	≈ scattered about, moving SE; mist from NW to E hor.	
4	B	≈ scattered about, moving SE; mist and fog in hor.	
5	B	≈ scattered about, moving SE.	
4	B	" "	
7	C	" "	
7	C	" "	
3	C	≈ scattered about hor., from N to E.	
2	C	" " "	
3	R	≈ scattered about hor. and in zth.	
3	R	≈ scattered about hor.	
3	R	" "	
2	R	" "	
1	B	≈ scattered around hor.	
2	B	" "	
2	B	≈ scattered from W to E hor.	
0	B	≈ in NW and E hor.	Mean daily temperature of ground 20 and 60 inches below its surface 77°0 and 80°4.
0	C	A few ≈ in E above hor.	
0	C	A few ≈ in E and NW hor.	
0	C	Clear.	
0	C	Clear; dew falling.	
0	R	Clear.	
0	R	"	
0	R	A few ≈ scattered from NW to E hor.; mist in hor.	
0	R	" " " "	
0	B	Mist around hor.	
0	B	" "	
0	B	A few ≈ scattered from W to N hor.; mist in N hor.	
0	B	" " " "	
1	C	≈ scattered from W to N hor.	
1	C	Light ≈ scattered here and there, moving E.	
1	C	" " "	
1	C	" " "	
2	R	" " "	
4	R	≈ scattered about, moving E.	
1	R	≈ scattered about hor.	
0	R	Clear, except in hor.	
0	R	" "	
0	R	" "	
0	R	" "	

Bombay Civil Time. 1860.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Feb. 13th-Midnight	29.864	29.193	75°0	70°0	5°0	67°5	0.79	75°4	76°9	WNW	0.2					
1 a. m.	.851	.171	74.2	70.0	4.2	67.9	.82	74.9	76.8	„	0·0					
2 „	·837	.120	74.0	71.0	3.0	69.6	.87	74.8	76.8	NW	0·2					
3 „	.827	.107	73.7	71.0	2.7	69.7	.88	74.7	76.8	NW b W	0.1					
4 „	.822	.136	73.0	69.8	3.2	68.2	.86	74.0	76.7	NW	0.0					
5 „	.832	.164	71.9	68.9	3.0	67.4	.87	73.0	76.5	NNW	0.0					
6 „	.844	.112	72.6	71.0	1.6	70.2	.94	73.5	76.4	NE	0.0					
7 „	.868	.139	72·9	71.0	1.8	70.1	.91	73.4	76.4	NE b N	0.0					
8 „	.890	.239	74.9	69.4	5.5	66.6	.77	74.4	76.4	„	0·0					
9 „	.902	.259	78.2	70.2	8.0	66.2	.68	76.3	76.6	NNE	0.1					
10 „	.905	.261	80.6	71.0	9.6	66.3	.63	77.7	76.8	„	0.1					
11 „	.881	.257	84.4	71.6	12.8	65.3	.54	80.2	77.2	„	0.1					
Noon.	.848	.309	87.6	70.2	17.4	60.9	.42	81.8	77.6	NE b N	0·1	None.	None.	None.	None.	None.
1 p. m.	.803	.280	91.5	71.0	20.5	60.0	.37	84.1	78.0	S	0.1					
2 „	.769	28.976	87.6	77.0	10.6	72.7	.63	83·4	78.2	WNW	0·5					
3 „	.750	.952	84.7	76.3	8.4	72.9	.69	83.0	78.0	NW b W	0·4					
4 „	.751	.950	83.4	76.0	7.4	73.0	.72	81.8	77.8	NW	0·3					
5 „	.757	.972	81.3	75.0	6.3	72.4	.75	80.3	77.8	NW b W	0·2					
6 „	.770	.965	78.6	74.6	4.0	73.2	.84	78.7	77.7	WNW	0·1					
7 „	.798	29.039	76.8	73.0	3.8	71.3	.84	77.7	77.7	„	0.1					
8 „	.815	.032	76.3	73.5	2.8	72.3	.88	77.0	77.6	S b E	0.0					
9 „	.832	.031	76.4	74.0	2.4	73.0	.90	77.0	77.7	„	0.0					
10 „	.835	.062	76.2	73.2	3.0	71.9	.87	76.8	77.7	„	0.0					
11 „	.823	.055	76.0	73.0	3.0	71.2	.87	76.5	77.7	„	0.1					
Feb. 14th-Midnight	.807	.049	75.2	72.5	2·7	71.3	.88	76.1	77.6	SSE	0.0					
1 a. m.	.797	·028	75.7	72.7	3.0	71.3	.87	76.2	77.6	WNW	0.2					
2 „	·792	.075	74.0	71.0	3.0	69.6	.87	75.1	77.5	W b N	0.0					
3 „	.783	.002	74.2	72.8	1.4	72.2	.94	75.1	77.2	SW	0.0					
4 „	.770	28.982	74.2	73.0	1.2	72.5	.95	75.0	77.4	S b W	0.0					
5 „	·774	.990	74.5	73.0	1.5	72.3	.93	75.0	77·0	„	0.0					
6 „	.794	29.038	73.7	72.0	1.7	71.2	.92	74.9	77.0	WSW	0.0					
7 „	·826	.108	72.6	70.6	2.0	69.6	.91	74.0	77.0	W b N	0.0					
8 „	.856	.159	75.8	71.0	4.8	68.7	.80	75.2	77.1	„	0.0					
9 „	.864	.090	77.1	73.5	3.6	71.9	.85	76.0	77.2	NE	0.1					
10 „	.867	.097	79.8	74.2	5.6	71.8	.78	77.8	77.4	ENE	0·1					
11 „	.850	.119	79.4	73.0	6.4	70.2	.74	77.8	77.5	„	0·1					
Noon.	.831	.098	81.2	73.6	7.6	70.2	.70	78.4	77.6	WSW	0.1	None.	None.	None.	None.	None.
1 p. m.	.789	·045	82.6	74.3	8.3	70.7	.69	79.8	77.8	SW b W	0.1					
2 „	·763	.022	82.8	74.3	8.5	70.6	.68	79.9	77.9	WSW	0.1					
3 „	.752	.017	82.4	74.0	8.4	70.3	.68	79.8	78.0	W b S	0.3					
4 „	.751	.035	81.4	73.2	8.2	69.5	.69	79·6	77.9	W b N	0.3					
5 „	·749	.021	79.6	73.0	6.6	70.0	.74	78.8	77.9	„	0.2					
6 „	.769	.049	77.0	72.0	5.0	69.7	.79	77.2	77.7	„	0·1					
7 „	.795	.066	76.2	72.0	4.2	70.1	.82	76.6	77.6	W	0·2					
8 „	.823	.104	75.5	71.5	4.0	69.7	.83	76.0	77.5	„	0·0					
9 „	.839	.142	73.6	70.3	3.3	68.7	.86	75.0	77.4	„	0·0					
10 „	.843	.150	73.0	70.0	3.0	68.5	.87	74.2	77.3	„	0.0					
11 „	.843	.122	73.6	71.0	2.6	69.7	.89	74.4	77.3	„	0·0					
Feb. 15th-Midnight	.836	.120	72.8	70.0	2.2	69.5	.90	73.9	77.2	W b N	0.0					
1 a. m.	.832	.104	72.7	70.9	1.8	70.0	.72	73.8	77.1	„	0.0					
2 „	.825	.100	73.3	71.0	2.3	69.9	.90	74.0	77.2	WNW	0.0					
3 „	.820	.107	72.8	70.5	2.3	69.4	.90	73.9	77.1	„	0.0					
4 „	.822	.116	71.8	70.0	1.8	69.1	.92	73.1	77.0	„	0.0					
5 „	.827	.121	71.8	70.0	1.8	69.1	.92	73.0	76.5	NW	0.0					
6 „	.848	.107	71.8	71.0	0.8	70.6	.96	73.0	76.5	N b W	0.0	None.	None.	None.	None.	None.
7 „	.873	.124	72.4	71.4	1.0	70.9	.95	73.3	76.4	NE b N	0.0					
8 „	.894	.126	74.3	72.5	1.8	71.7	.92	74.2	76.5	NE	2·0					
9 „	.916	.170	75.9	72.4	3.5	70.8	.85	75.0	76.6	„	1·0					
10 „	.929	.172	77.0	73.0	4.0	71.2	.83	75.9	76.9	„	0.1					
11 „	.913	.175	78.7	73.0	5.7	70.5	.77	76.7	77.0	„	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≤≤ cirro-cumuli; ∩ cumuli; ∪ cirro-strati; ∩∪ cumulo-strati; and ≤∪ nimbi.	
0	B	Clear, except in hor.	Mean daily temperature of ground 20 and 60 inches below its surface 77°6 and 80°6 Tempera- of Air at 1 P. M. was 91°5, greatest in the month, and about 10°1 greater than the Normal mean.
0	C	" "	
0	C	Clear; dew falling.	
0	C	" "	
0	C	" "	
0	R	" "	
0	R	" "	
0	R	Mist in hor.	
0	R	Mist and fog in hor.	
0	B	" "	
0	B	" "	
0	B	" "	
0	B	Haze around hor., except in E and SE.	
0	C	" " "	
0	C	A few pieces of clouds in E hor.	
1	C	Light ≤≤ scattered above E and W hor.	
3	C	≤≤ scattered about, moving E.	
3	R	≤≤ scattered from NE to SW hor., moving E.	
3	R	≤≤ and ≤ scattered about hor., the former moving E.	
2	R	≤ scattered in E hor. and along W hor.	
1	R	Clouded as at 7 P. M.; dew falling.	
1	B	" " "	
0	B	Clear; dew falling.	
0	B	" "	
1	B	≤ scattered above E and W hor.; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 77°9 and 80°6.
1	C	≤ scattered from NE to S hor.; dew falling.	
2	C	≤ and light ≤≤ scattered in E hem.; dew falling.	
1	C	" " " "	
5	C	≤≤ scattered about, moving E; dew falling copiously.	
6	R	" " " "	
6	R	≤≤ scattered about, moving NE.	
6	R	≤≤ and ≤ scattered about, both moving E; mist along W hor.	
5	B	≤≤ scattered about, moving NE; mist and fog in hor.	
3	B	" " "	
4	B	" " "	
4	B	≤≤ scattered about, moving N; mist and fog in hor.	
3	B	≤≤ scattered about, moving N; mist in N hor.	
3	C	≤≤ scattered about, moving E.	
0	C	A few pieces of ≤≤ in E and W hor.	
0	C	A few ≤≤ in E hor.	
0	C	" "	
0	R	" "	
0	R	Clear.	
0	R	"	
0	R	"	
0	B	Clear; dew falling.	
0	B	" "	
0	B	" "	
0	B	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 78°3 and 80°6.
1	C	≤≤ scattered in E hor.; dew falling.	
2	C	≤≤ scattered from N to SE hor.; dew falling.	
4	C	≤≤ scattered about, moving W; dew falling.	
3	C	" " "	
3	R	≤≤ scattered about hor., moving W; dew falling.	
4	R	≤≤ scattered about, moving N; dew falling.	
5	R	≤≤ scattered about, moving NW.	
2	R	≤≤ scattered about hor., moving NW; light mist in hor.	
1	B	≤≤ scattered around hor.; mist and fog in hor.	
2	B	≤≤ scattered here and there, moving N; mist and fog in hor.	
1	B	" " " "	

Bombay Civil Time. 1860.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recording the commencement of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Feb. 15th–Noon.	29.893	29.132	80°0	74°0	·6°0	71°4	0.76	77°7	77.2	W b S	0.1					
1 p. m.	.858	.072	81.2	75.0	6.2	72.4	.76	78.6	77.3	WSW	0.1					
2 „	.837	.057	82.4	75.2	7.2	72.2	.72	79.9	77·5	W b S	0.2					
3 „	.828	.081	82.3	74.3	8.0	70.8	.69	79.8	77.5	W	0.2					
4 „	.822	.097	81.2	73.4	7.8	69.9	.70	79.0	77.6	WNW	0.5					
5 „	.820	.146	79.6	71.5	8.1	67.7	.68	78.1	77.5	NW b W	0·2	None.	None.	None.	None.	None.
6 „	.832	.125	77.2	71.7	5.5	69.1	.77	77.0	77.5	„	0.1					
7 „	.859	.137	76.2	71.8	4.4	69.8	.81	76.5	77.4	„	0.5					
8 „	.877	.160	75.7	71.5	4.2	69.6	.82	76.0	77.3	WNW	0·2					
9 „	.895	.189	75.0	71.0	4.0	69.1	.83	75.3	77.2	NW	0.0					
10 „	.895	.194	73.9	70.5	3.4	68.9	.85	74.8	77.2	„	0.0					
11 „	.888	.195	73.0	70.0	3.0	68.5	.87	73.9	77.0	„	0.0					
Feb. 16th–Midnight	.872	.173	72.2	69.9	2.3	68.8	.90	73.3	76.9	NW	0.0					
1 a. m.	.858	.154	72.0	70.0	2.0	69.0	.91	73.1	76.8	N b E	0·0					
2 „	.848	.140	71.6	70.0	1.6	69.2	.93	73.0	76.7	„	0.0					
3 „	.849	.138	71.4	70.0	1.4	69.3	.94	72.9	76.6	„	0.0					
4 „	.850	.143	71.7	70.0	1.7	69.1	.92	73.0	76.6	NW b N	0.0					
5 „	.866	.136	72.8	71.0	1.8	70.1	.92	73.5	76.5	NW	0.0					
6 „	.877	.167	72.8	70.4	2.4	69.3	.89	73.5	76.4	„	0.0					
7 „	.906	.176	72.8	71.0	1.8	70.1	.92	73.4	76.5	N b W	0.0		+	7	6	4.10
8 „	.944	.219	74.6	71.4	3.2	69.9	.86	74.3	76.5	„	0.0					
9 „	.971	.280	76.4	71.0	5.4	68.4	.78	75.0	76.6	NNE	0.1					
10 „	.974	.283	78.0	71.5	6.5	68.4	.74	76.0	76.7	„	0·1					
11 „	.964	.291	79.0	71.3	7.7	67.6	.69	76.7	76.9	NE	0·1	None.				
Noon.	.940	.319	80.5	70.3	10.2	65.2	.61	77.5	77.0	WNW	0.1					
1 p. m.	.910	.194	82.0	73.4	8.6	69.5	.68	78.5	77.2	W	0.3					
2 „	.881	.183	82.4	73.0	9.4	68.7	.65	79.3	77.3	W b N	0.2					
3 „	.874	.189	82.5	72.7	9.8	68.2	.64	79.5	77.5	„	0.5					
4 „	.873	.194	81.4	72.2	9.2	67.9	.65	79.0	77.5	„	0.4					
5 „	.880	.170	80.2	72.7	7.5	69.3	.70	78.8	77.5	„	0.3					
6 „	.901	.201	77.5	71.6	5.9	68.8	.76	77.4	77.4	„	0.3					
7 „	.919	.222	76.5	71.2	5.3	68.7	.78	76.6	77.2	WNW	0.3					
8 „	.953	.236	76.0	71.6	4.4	69.6	.81	76.0	77.2	„	0.2					
9 „	.967	.263	75.2	71.0	4.2	69.0	.82	75.3	77.2	NW b W	0.1					
10 „	.978	.282	74.3	70.5	3.8	68.6	.83	75.0	77.1	„	0.1		+	3		4.28
11 „	.975	.277	73.2	70.2	3.0	68.7	.87	74.2	77.0	NW	0·0		+	Out of Sc.	25	0.17
Feb. 17th–Midnight	.969	.279	72.3	69.7	2.6	68.4	.88	73.5	76.9	NW	0.0					
1 a. m.	.948	.248	72.4	70.0	2.4	68.8	.89	73.5	76.9	„	0.0					
2 „	.938	.234	72.0	70.0	2.0	69.0	.91	73.1	76.8	„	0.0					
3 „	.938	.234	72.0	70.0	2.0	69.0	.91	73.2	76.8	N	0.0					
4 „	.939	.253	71.2	69.2	2.0	68.2	.91	72.8	76.7	NNW	0.0					
5 „	.950	.258	71.2	69.4	1.8	68.5	.92	72.4	76.7	„	0.0					
6 „	.964	.279	70.6	69.0	1.6	68.1	.93	72.0	76.3	N	0.0					
7 „	.992	.304	70.4	69.0	1.4	68.3	.95	71.6	76.0	„	0·0					
8 „	30.002	.308	74.2	70.4	3.8	68.6	.83	73.7	76.3	„	0.1		+	10	10	1.10
9 „	.028	.323	76.8	71.5	5.3	69.0	.78	75.0	76.4	N b E	0.1					
10 „	.024	.339	77.6	71.2	6.4	68.1	.74	75.7	76.6	NNE	0.1					
11 „	.005	.343	79.0	71.0	8.0	67.1	·68	76.6	76.7	NNW	0.2	None.				
Noon.	29.979	.281	80.4	73.4	8.0	68.7	.69	77.5	76.9	WNW	0.5					
1 p. m.	.940	.264	81.0	72.0	9.0	67.8	.66	78.2	77.0	„	0.6					
2 „	.917	.245	81.4	72.0	9.4	67.6	.64	78.8	77.1	NW b W	0.5					
3 „	.898	.226	81.4	72.0	9.4	67.6	.64	78.9	77.2	„	0·7					
4 „	.900	.238	80.7	71.5	9.2	67.1	.65	78.5	77.1	WNW	0.6					
5 „	.908	.234	79.2	71.4	7.8	67.7	.69	78.0	77.0	„	0.5		+	1		Above 10m.
6 „	.923	.264	77.0	70.3	6.7	67.0	.73	76.8	77.0	NW b W	0.4		„	2		
7 „	.936	.255	76.3	70.7	5.6	68.0	.77	76.1	77.0	„	0.5		„	1		
8 „	.957	.271	75.9	70.7	5.2	68.2	.78	76.0	77.0	NW	0·4		„	1		
9 „	.975	.300	75.3	70.2	5.1	67.7	.78	75.3	77.0	„	0.0		„	2		
10 „	.971	.285	73.6	70.0	3.6	68.2	.84	74.3	76.9	N b W	0.0		„	1		
11 „	.958	.292	72.4	69.0	3.4	67.3	.85	73.7	76.7	N	0·0		„	1		

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to *denote* the clouds are: ≤ cirri; ≤≤ cirro-cumuli; ⌒ cumuli; ⌣ cirro-strati; ⌒⌒ cumulo-strati; and ≤≤ nimbi.	
1	B	≤≤ scattered here and there, moving N; mist and fog in hor.	
2	C	≤≤ scattered about, moving N.	
4	C	≤≤ scattered about, moving NE.	
2	C	≤≤ scattered around hor., moving NE.	
1	C	≤≤ scattered in E hor.	
0	R	A few pieces of ≤≤ in E hor.	
2	R	≤ scattered around hor.; and a few pieces of ≤≤ above E hor.	
0	R	Clear; except in hor.	
0	R	" "	
0	B	" "	
0	B	Clear; dew falling.	
0	B	" "	
1	B	≤≤ scattered from E to S; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 78°4 and 80°6.
4	C	≤≤ scattered about, moving NNE; dew falling.	
3	C	" " "	
2	C	≤≤ scattered about hor., moving NNE; dew falling.	
5	C	≤≤ scattered about, moving NNE; dew falling.	
3	R	" " "	
3	R	" " "	
3	R	≤≤ scattered about, moving E.	
3	R	≤≤ scattered about, moving N; mist in hor.	
1	B	≤≤ scattered around hor.; mist and fog in hor.	
0	B	A few pieces of ≤≤ above W hor.; mist and fog in hor.	
0	B	" " "	
0	B	A few patches of ≤≤ in W and E hor.; light mist along W hor.	
0	C	A few pieces of ≤≤ in E hor.	
0	C	" "	
0	C	" "	
0	C	" "	
0	R	" "	
0	R	A few pieces of ≤≤ in E and W hor.	
0	R	Clear; except in hor.	
0	R	" "	
0	B	" "	
0	B	Clear; dew falling.	
0	B	" "	
0	B	Pieces of ≤≤ scattered here and there; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 78°4 and 80°5. Corrected reading of Barometer at 9 A. M. was 30°028 in., the greatest in the month, and about 0°088 in. greater than the Normal mean.
0	C	A few pieces of ≤≤ in E hor.; dew falling.	
0	C	Clear, except in hor.; dew falling.	
1	C	≤≤ scattered from NE to S hor; dew falling.	
1	C	" " " "	
2	R	≤≤ scattered about zth., moving E; dew falling.	
2	R	≤≤ scattered in E, NW, and about zth., moving N.	
1	R	≤≤ scattered from NW to E hor.; mist around hor.	
0	R	A few pieces of clouds in N and E hor.; mist and fog in hor.	
0	B	" " "	
0	B	Mist and fog in hor.	
0	B	A few ≤≤ in E hor.; mist along W hor.	
0	B	A few pieces of clouds in E hor.	
0	C	Light ≤ in E hor.; otherwise cloudless.	
1	C	≤ scattered along E hor.	
1	C	" "	
1	C	≤ along E hor.; a few patches of ≤≤ scattered about zth., moving E.	
5	R	≤ along E hor.; ≤≤ scattered about, moving NE.	
4	R	" " "	
2	R	Patches of ≤≤ scattered about, moving ENE.	
1	R	" " "	
0	B	A few ≤≤ in E hor.	
1	B	≤≤ scattered about E and W hor.; dew falling.	
1	B	" " "	

Bombay Civil Time. 1860.	Standard Barometer.		Thermometers.			Deduced Dew-Point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in seconds between the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Feb.18th-Midnight.	29.949	29.283	72°4	69°0	3°4	67°3	0.85	73°4	76°7	N	0.0		+	1		Above 10m.
1 a. m.	.936	.251	72·8	69·7	3.1	68.1	.86	73.6	76.7	NNW	0·1		+	1		Above 10m.
2 „	.919	.239	72.0	69.3	2.7	67.9	.88	72.9	76.6	„	0.1		+	1		Above 10m.
3 „	.906	.229	71.4	69.0	2.4	67.8	.89	72.6	76.5	N b W	0.1					
4 „	.903	.307	70.6	66.4	4.2	63.9	.81	72.0	76·3	„	·0.1					
5 „	.904	.327	70.7	65.7	5.0	62.9	.78	71.9	76.0	„	0·0					
6 „	.918	.294	71.4	67.4	4.0	65.3	.82	72.0	76.0	„	0.0		+	2		Above 10m.
7 „	.934	.334	72.4	67.0	5.4	64.1	.76	72.3	76.0	N b E	0·0		+	1		Above 10m.
8 „	.960	.354	75.1	68.1	7.0	64.4	.71	73.9	76.1	NNE	0.0		+	1		Above 10m
9 „	.985	.425	77.5	67.5	10.0	62.0	.61	75.0	76.3	„	0·1		+	1		Above 10m.
10 „	.978	.322	79.5	71.0	8.5	66·8	.67	76.3	76.5	NE b N	0.1		+	1		Above 10m.
11 „	.961	.403	80.7	68.5	12.2	61.9	.54	77.3	76·7	„	0·1	None.				
Noon.	.932	.325	82.3	70.5	11.8	64.5	.56	78.3	76.8	W	0·2		+	1		Above 10m.
1 p. m.	.886	.224	83.3	72.3	11.0	67.1	.59	79.4	77.0	„	0·2		+	2		Above 10m.
2 „	.863	.216	83.6	72·0	11.6	66.4	.58	80 0	77.2	WNW	0.3		+	2		Above 10m.
3 „	.857	.182	82.4	72.4	10.0	67.7	.62	80.0	77.3	NW b W	0·5		+	1		Above 10m.
4 „	.839	.137	82 0	73.0	9.0	68.9	.66	79.7	77.4	„	0.5		+	1		Above 10m.
5 „	.845	.132	81.0	73.0	8.0	69.4	.69	79·0	77.4	„	0·7		+	1		Above 10m.
6 „	.849	.207	79.2	70.5	8.7	66.2	.66	78.0	77.4	NW	0.7					
7 „	.855	.209	79.4	68.0	11.4	61.8	.56	78.1	77.4	„	1.3		+	1		Above 10m.
8 „	.869	.313	79.9	69.1	10.8	63.4	.59	78.3	77.5	NW b N	1.0		+	2		Above 10m.
9 „	.880	.298	78.5	68.5	10.0	63.2	.61	77.5	77.5	NNW	0.2		+	2		Above 10m.
10 „	.882	.322	77.2	67.4	9.8	62·0	.61	76.6	77.4	NW b N	0.0		+	1		Above 10m.
11 „	.872	.354	75·5	65.5	10.0	59.7	.60	75.5	77.3	NNW	0.1		+	1		Above 10m.
Feb.21st-Midnight	.844	.227	75.3	68.5	6.8	65.0	.73	75.4	77.7	NW	0.0					
1 a. m.	.818	.159	74.2	69.4	4.8	67.0	.79	75.0	77.6	„	0.0					
2 „	.802	.135	75.4	70.0	5.4	67.3	.77	75.7	77.7	„	0.0					
3 „	.796	.088	74.8	71.0	3.8	69.2	.83	75.5	77.7	„	0.0					
4 „	.792	.101	74.5	70.4	4.1	68.4	.82	75.3	77.6	„	0.0					
5 „	.788	.116	73.4	69.5	3.9	67.6	.83	74·5	77.1	NNW	0.0					
6 „	.803	.216	72.4	66.6	5.8	63.4	.75	73.7	77.0	„	0.0					
7 „	.827	.273	72.8	65.7	7.1	61.7	.70	73·4	77.0	N b W	0.0					
8 „	.843	.254	76.4	68.0	8.4	63.5	.66	75.0	77.0	N	0.0					
9 „	.869	.244	79.8	70·2	9.6	65.4	.63	77.1	77.3	„	0.0					
10 „	.877	.236	82.5	71.5	11.0	66.1	.59	79.0	77·6	NW	0.1		+	1		Above 10.n.
11 „	.857	.069	82·8	75.5	7.3	72.5	.72	79.8	77.8	WNW	0.3	None.				
Noon.	.831	.028	83.2	78.0	5.0	73.1	.73	80.4	78.0	„	0.3					
1 p. m.	.798	28.996	84.0	76.2	7.8	73.0	.70	81.0	78.3	„	0.5		+	3		5.29
2 „	.771	.947	84.8	77.0	7.8	73.9	.70	81.8	78.5	„	0.4		+	5	4	1.27
3 „	.760	.917	84 6	77.4	7.2	74.6	.73	82.0	78.5	W	0.4		+	5	4	1.49
4 „	.757	.939	83.6	76·5	7.1	73.6	.73	81.6	78.5	WNW	0.6		+	7	6	2.20
5 „	.757	.956	82.0	75.6	6.4	73.0	.75	80.7	78.5	NW b W	0.4		+	9	8	5.20
6 „	.773	.990	79.4	74.4	5.0	72.3	.80	79·3	78.5	NW	0.2					
7 „	.811	29.030	78.2	74.0	4.2	72.2	.83	78.6	78.3	„	0.1					
8 „	.845	.112	77.5	72.5	5.0	70.2	.79	78.0	78.2	„	0.2					
9 „	.866	.168	76.4	71.2	5.2	68.7	.78	77.0	78·3	NW b N	0.1					
10 „	.869	.208	76.6	70·2	6.4	67.1	.74	76.8	78.3	N	0.0					
11 „	.845	.206	76.4	69.5	6.9	66.0	.72	76.4	78.2	NW b N	0.2					
Feb.22nd-Midnight	.829	.191	78.0	70.0	8.1	66.0	.68	77.3	78.3	NW	0.5					
1 a. m.	.815	.173	77.6	70.0	7.6	66.2	.70	77.0	78.2	„	0.2					
2 „	.802	135	75.4	70.0	5.4	67.3	.77	76.0	78.0	N	0·0					
3 „	.791	.105	75.5	70.6	4.9	68.2	.79	76.1	78.0	NNW	0.0					
4 „	.783	.166	75.0	68.4	6.6	65.0	.72	75.4	77.9	NW b N	0.0					
5 „	.784	.147	75.0	69.0	6.0	65.9	.75	75.4	77.7	„	0.0	None.	None.	None.	None.	None.
6 „	.791	.087	75.2	71.0	4.2	69.0	.82	75.5	77.5	„	0.0					
7 „	.805	.054	76.5	72.7	3.8	71.0	.84	76.2	77.7	NW	0·0					
8 „	.833	.102	78.3	72.7	5.6	70.2	·77	77.3	77.7	„	0.2					
9 „	.855	.172	80.4	72.0	8.4	68.1	.67	78.0	78.0	„	0·3					
10 „	.861	.233	82.0	71.0	11.0	65.5	.59	79.4	78.1	NW b N	0.6					
11 „	.845	.158	83.3	73.0	10.3	68.2	.62	80.2	78.4	„	0.5					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌐i cirri; ∿i cirro-cumuli; ∩i cumuli; ⌣i cirro-strati; ∩⌣i cumulo-strati; and ∿⌣i nimbi.	
1	B	∿i scattered around hor.; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 78°4 and 80°5.
0	C	Clear, except in hor.; dew falling.	
0	C	" "	
0	C	" "	
0	C	" "	
4	R	∿i scattered about, moving NE.	
6	R	∿i scattered about, moving NNE.	
5	R	∿i scattered about; mist along W hor.	
4	R	Clouded as before; mist in hor.	
3	B	" "	
3	B	∿i scattered about, moving N; mist in hor.	
4	B	" " "	
5	B	" " "	
4	C	∿i scattered about, moving N.	
5	C	" "	
5	C	∿i and ⌐i scattered about, the former moving N.	
4	C	" " "	
2	B	⌐i and ∿i scattered here and there.	
1	B	" "	
2	B	∿i scattered about E and W hor., moving N.	
1	B	" " "	
1	B	" " "	
3	B	⌐i scattered about, moving N.	
3	B	" "	
0	B	Clear, except in hor.	Mean daily temperature of Ground 20 and 60 inches below its surface 78°5 and 80°6. Temperature of Evaporation at 3 P. M. was 77°4, greatest in the month, and about 3°9 greater than the normal mean.
0	C	" "	
0	C	" "	
0	C	Clear; dew falling.	
0	C	" "	
0	R	A few pieces of ∿i in E hor.; dew falling.	
1	R	∿i scattered in E, S, and W hor.	
0	R	A few pieces of ∿i in E hor.; mist in hor.	
0	R	" " "	
0	B	" " "	
0	B	Mist in hor.	
0	B	"	
0	B	A few pieces of clouds and mist in NE hor.	
1	C	∿i scattered along E hor.	
1	C	" "	
1	C	" "	
1	C	" "	
1	R	Pieces of ∿i scattered around hor.	
2	R	" "	
2	R	Pieces of ∿i scattered around hor., except in S.	
1	R	Pieces of ∿i scattered in E and about zth.	
2	B	Pieces of ∿i scattered here and there, moving N.	
1	B	∿i scattered around hor.	
1	B	" "	
1	B	∿i scattered around hor.	Mean daily temperature of Ground 20 and 60 inches below its surface 78°7 and 80°7. The height of standard barometer at 4 P. M. was 29·747 in., least in the month, and about 0·068in. lower than the normal mean.
1	C	∿i scattered along E hor.	
1	C	" "	
2	C	∿i scattered around hor., and about zth.	
1	C	∿i scattered around hor.	
2	R	∿i scattered from E to W hor., moving E.	
1	R	∿i scattered along W hor., moving E.	
1	R	∿i scattered along W hor.; mist around hor.	
2	R	∿i scattered around hor., except in S; mist along W hor.	
1	B	∿i scattered about, moving N; mist in NE hor.	
2	B	∿i scattered in W, NW, and N, moving N; mist in NE hor.	
0	B	A few pieces of ∿i scattered from W to N hor; mist in NE hor.	

Bombay Civil Time. 1860.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Feb. 22nd-Noon.	29.824	29.094	82°3	74°0	8°8	70°1	0.67	80°3	78·4	NW b W	0.7					
1 p. m.	.788	.019	82.7	75.0	7.7	71.7	.71	80.5	78.5	WNW	0.7					
2 „	.766	28.978	82.4	75.4	7.0	72.5	.73	80.4	78.5	„	0.9					
3 „	.750	.941	81.9	75.8	6.1	73.3	.76	80.2	78.5	„	1.0					
4 „	.747	.981	81.3	74.5	6.8	71.6	.73	79.7	78.6	„	1.0	None.	None.	None.	None.	None.
5 „	.751	.974	79.6	74.3	5.3	72.0	.79	79.0	78.5	„	0.5					
6 „	.765	.997	77.7	73.5	4.2	71.7	.83	78.0	78.5	„	0.2					
7 „	.787	29.010	76.9	73.5	3.4	72.0	.86	77.5	78.3	„	0.1					
8 „	.813	.032	76.5	73.5	3.0	72.2	.87	77.0	78.2	W b N	0·1					
9 „	.833	.052	76.5	73.5	3.0	72.2	.87	76.8	78.3	„	0·2					
10 „	.833	.064	75.9	73.0	2.9	71.7	.88	76.5	78.3	WNW	0.1					
11 „	.825	.078	75.6	72.3	3.3	70.8	.86	76.3	78.2	NW b W	0.2					
Feb. 23rd-Midnight	.816	.078	75.4	72.0	3.4	70.5	.85	76.1	78.1	NW b W	0.2					
1 a. m.	.803	.071	75.0	71·7	3.3	70.2	.86	76.0	78.0	„	0.1					
2 „	.795	.066	74.6	71.5	3.1	70.1	.87	75.7	77.9	NW	0.1					
3 „	.784	.063	73·6	71.0	2.6	69.7	.89	74.9	77.7	„	0.0		+	2		0.48
4 „	.790	·069	73.0	70.8	2.2	69.7	.90	74.3	77.6	„	0.0		+	2		0.12
5 „	.796	.064	72.6	71.0	1.6	70.2	.93	74.0	77·5	N b W	0.0		+	2		Above 10m.
6 „	.818	.090	72.3	70.8	1.5	70.0	.93	73.7	77.4	„	0.0		+	3		0.40
7 „	.837	·107	72.8	71·0	1.8	70·1	.92	73.7	77.3	„	0.0					
8 „	.870	.135	75.6	72.0	3.6	70.3	.85	75.0	77.5	„	0.0		+	3		1.20
9 „	.892	.196	76.6	71.2	5.4	68.6	.77	75.9	77.6	N	0.0		+	6	5	0.36
10 „	.899	.199	78.8	72.0	6.8	68.8	.73	77.0	77.8	NW	0.3					
11 „	.880	.184	79·8	72.2	7.6	68.6	.70	77.7	77.8	WNW	0·2	None.				
Noon.	.854	.162	80.2	72.2	8.0	68·5	.69	78·0	77.9	NW b W	0.2					
1 p. m.	.819	.108	81.2	73.0	8.2	69.3	.68	78.7	78.0	WbN	0·1					
2 „	·793	.120	81.1	72.1	9.2	67.6	.66	79.0	78.0	„	0.6					
3 „	.776	.080	81.2	72·6	8.6	68.6	.67	79·0	78·1	„	0.5					
4 „	.774	.089	80.2	72.0	8.2	68.1	.68	78.5	78.0	„	0.7					
5 „	.781	.128	78.2	70.5	7.7	66.7	.69	78.1	77.9	„	0.3					
6 „	.785	.129	76.4	70.6	6.4	66.8	.73	76.5	77.7	WNW	0.2					
7 „	·804	.202	75·2	68·0	7.2	64.2	.70	75.5	77.5	„	0·2					
8 „	.821	.224	74.7	67.7	7.0	64.0	.71	75.0	77.5	„	0.4					
9 „	.837	.195	74.5	69.0	5.5	66.2	.77	74.7	77.5	W b N	0.2					
10 „	.850	.204	74.2	69.0	5.2	66.4	.78	74.5	77.5	W	0.3					
11 „	.846	·198	74·0	69.0	5.0	66.5	.78	74.3	77.5	W b N	0·3					
Feb. 24th-Midnight	.840	.192	74.0	69.0	5.0	66.5	.78	74.2	77.4	W	0.2					
1 a. m.	.832	.177	73.4	69.0	4.4	66.8	.81	74.0	77·3	„	0.2					
2 „	.824	.173	72.8	68.7	4.1	66.6	.82	73.6	77.2	„	0.2					
3 „	.813	.168	72.4	68.4	4.0	66.3	.82	73.3	77.1	„	0·9					
4 „	.817	.157	92.0	68.7	3.3	67.0	·85	73.1	77.1	W b N	0.0					
5 „	.828	.132	71.8	69.7	2.1	68.6	.91	73.0	76.6	„	0 0					
6 „	.852	.155	72.0	69.8	2·2	68.7	·90	73.0	76.6	ENE	0.1					
7 „	.873	.180	73.0	70.0	3.0	68.5	·87	73.4	76.8	„	0.1					
8 „	.900	.177	76·1	71.8	4.3	69.8	.82	75.0	77.0	„	0.2					
9 „	.926	.230	76.6	71.2	5.4	68.6	·78	75.9	77.0	„	0.1	None.			None.	
10 „	.926	.260	78.6	71.0	7.6	67.3	.70	76.8	77.1	NW	0.1					
11 „	.911	.257	79.7	71.0	8·7	66.7	.64	77.3	77.4	„	0.1					
Noon.	.885	.229	80·6	71.3	9.3	66.8	.64	77.9	77.5	WNW	0.1					
1 p. m.	.851	.251	81.4	70.0	11.4	64.1	.57	78.4	77.6	„	0.1					
2 „	.831	.200	81.8	71.0	10.8	65.6	.60	78.8	77.8	NW b W	0.4					
3 „	.827	.258	81.6	72.0	9.6	67.4	.67	79.0	78.0	„	0.4					
4 „	.835	.191	80.6	71.0	9.6	66.3	.67	78.7	78.0	„	0.2					
5 „	.835	·212	79.4	70.0	9.4	65.3	.63	78.1	78.0	„	0.1					
6 „	.846	.215	76.8	69.4	7.4	65.6	.70	76.8	77.8	„	0.1					
7 „	.870	.251	75.4	68.6	6.8	65.1	.72	75.9	77.5	NW	0.1					
8 „	.889	·271	74.7	68.3	6.4	65.0	.73	75.2	77.4	„	0.1		+	1		Above 10m.
9 „	.903	.290	74.2	68.0	6.2	64.8	.74	74.7	77.3	„	0.1					
10 „	.900	.285	74.0	68·0	6.0	64.9	.74	74.4	77.2	„	0.1					
11 „	.890	.284	73.6	67.6	6·0	64.4	.74	74.0	77.2	„	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩⌣ cumulo-strati; and ≀∩ nimbi.	
0	B	A few pieces of ≀≀ scattered in N, NE, and E hor.	
1	C	≀≀ scattered in E and NW above hor.	
1	C	" " "	
0	C	A few pieces of ≀≀ in E hor.	
0	C		
0	R	" "	
0	R	" "	
0	R	" "	
0	R	Clear, except in hor.	
0	R	" "	
2	B	≀≀ scattered about hor., moving S; dew falling.	
2	B	" " "	
2	B	" " "	
3	B	≀≀ scattered about, moving S.	Mean daily temperature of ground 20 and 60 inches below its surface 78°8 and 88°8.
2	C	≀≀ scattered about hor., moving SSE.	
2	C	" " "	
2	C	≀≀ scattered here and there, moving S; dew falling.	
2	C	≀≀ scattered about hor., moving S; dew falling.	
2	R	" " "	
2	R	≀≀ scattered about hor., moving SE.	
2	R	" "	
5	R	≀≀ scattered about, moving E.	
4	B	≀≀ scattered about, moving SE.	
3	B	" "	
1	B	≀≀ scattered around hor.	
1	B	≀≀ scattered from N to SE hor.	
1	R	" "	
0	R	A few pieces of ≀≀ in NE hor.	
0	R	A few pieces of ≀≀ in W hor.	
0	C	Clear.	
0	C	"	
0	C	"	
0	C	"	
0	R	"	
0	B	"	
0	B	"	
0	B	"	
0	B	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 78°9 and 80°8.
0	C	"	
0	C	"	
0	C	Clear; dew falling.	
0	C	" "	
1	R	≀≀ scattered in E; dew falling.	
2	R	≀≀ scattered about, moving NE.	
4	R	≀≀ and ≀≀ scattered about, moving NE.	
5	R	≀≀ scattered about, moving E; fog in E hor.	
7	B	≀≀ scattered throughout, moving SE; a few ≀≀ here and there observed.	
2	B	≀≀ scattered about hor.	
1	B	" "	
1	B	≀≀ scattered around hor., except in NW.	
2	C	≀≀ scattered around hor., moving E.	
2	C	≀≀ scattered about, moving ENE.	
4	C	" "	
3	C	" "	
4	R	" "	
4	R	" "	
0	R	A few pieces of clouds in E hor.	
0	R	" "	
0	B	Clear, except in hor.	
1	B	≀≀ scattered around hor.	
1	B	≀≀ scattered here and there, moving SE.	

Bombay Civil Time. 1860.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Feb.25th-Midnight	29.877	29.274	73°0	67°3	5°7	64°3	0.76	73°8	77°1	NW	0.0					
1 a. m.	.869	.249	72·0	67.5	4.5	65.1	.80	73.4	76.9	„	0.0					
2 „	.855	.247	71·6	67.0	4.6	64.5	.80	72.8	76.7	„	0.0					
3 „	.852	.248	72.0	67.0	5.0	64.3	.78	72.8	76.7	„	0.0					
4 „	.857	.230	72.0	67.7	4.3	65.4	.81	73.0	76.5	„	0.0					
5 „	.876	.260	71.3	67.2	4.1	64.9	.82	72.3	76.5	„	0.0					
6 „	.898	.258	70.8	67.7	3.1	66.1	.86	71.8	76.5	N b E	0.1					
7 „	.926	.290	70.6	67.5	3.1	65.9	.86	71.6	76.4	„	0.1					
8 „	.953	.288	73.4	69.0	4.4	66.8	.81	73.0	76.4	NE	0.2					
9 „	.973	.325	75.2	69.4	5.8	66.5	.75	74.0	76.5	ENE	0.1					
10 „	.973	.338	77.3	69.7	7.6	65.8	.69	75.3	76.7	„	0.1					
11 „	.969	.333	78.2	70.0	8.2	65.9	.67	75.9	76.7	E b N	0.1	None.	None.	None.	None.	None.
Noon.	.941	.311	79.4	70.2	9.2	65.6	.64	76.8	76.9	NW b W	0.2					
1 p. m.	.904	.255	80.2	71.0	9.2	66.5	.64	78.1	77.0	WNW	0.4					
2 „	.879	.213	80.6	71.6	9.0	67.3	.65	78.4	77.1	„	0.5					
3 „	.843	.181	80.3	71.4	8.9	67.1	.66	78.2	77.2	NW	0.8					
4 „	.832	.168	79.8	71.3	8.5	67.2	.67	78.0	77.3	„	0.5					
5 „	.842	.177	78.7	71.0	7.7	67.2	.69	77.3	77.4	„	0.5					
6 „	.846	.191	76.2	69 9	6.3	66.8	.74	76.0	77.2	„	0.7					
7 „	.856	.190	75.2	69.9	5.3	67.3	.77	75.3	77.0	„	0.5					
8 „	.870	.199	75.0	70.0	5.0	67.5	.79	75.1	76.8	NW b N	0.8					
9 „	.870	.193	74.5	70.0	4.5	67.8	.81	75.0	76.8	„	0.6					
10 „	.874	.215	73.0	69.0	4.0	67.0	.82	74.0	76.7	NNW	0.5					
11 „	.869	.232	72.0	68.0	4.0	65.9	.82	72.8	76.7	„	0.2					
Feb.26th-Midnight	.860	.209	72.2	68.5	3.7	66.6	.84	72.9	76.6	NW b N	0.1					
1 a. m.	.844	.200	71.4	68.0	3.4	66.3	.85	72.3	76.5	„	0.1					
2 „	.827	.147	70.8	68.9	1.9	67.9	.91	71.9	76.5	NNW	0.1					
3 „	.822	.169	72.0	68.5	3.5	66.7	.84	72.2	76.5	N	0.2					
4 „	.814	.130	72.6	69.6	3.0	68.1	.87	73.0	76.4	NNE	0.1					
5 „	.818	.126	72·4	69.8	2.6	68.5	.88	73.0	76.2	„	0.2					
6 „	.843	.212	70.8	67.4	3.4	65.6	.85	72.0	76.0	N	0.1					
7 „	.864	.219	71.3	68.0	3.3	66.3	.85	72.0	76.0	NNW	0.0					
8 „	.884	.206	74.4	70.0	4.4	67.8	.81	73.7	76.2	N b E	0.1					
9 „	.906	.222	77.0	71.0	6.0	68.1	.75	75.1	76.4	NE	0.2					
10 „	.911	.215	79.2	72.0	7.2	68.6	.71	77.8	76.6	NE b N	0·2					
11 „	.892	.237	81.6	71.6	10.0	66.8	.62	79.0	76.8	„	0.0	None.	None.	None.	None.	None.
Noon.	.862	.123	83.0	74.3	8.7	70.5	.67	79.7	77.1	W	0.4					
1 p. m.	.835	.076	83.6	75.0	8.6	71.3	.68	80.0	77.4	WNW	0.7					
2 „	.805	.038	82.9	75.0	7.9	71.6	.71	80.0	77.4	NW b W	1.0					
3 „	.790	.022	82.2	74.8	7.4	71.7	.72	79.9	77.6	NW	1.0					
4 „	.790	.028	80.6	74.2	6.4	71.4	.75	79.1	77.7	„	1.3					
5 „	.794	.056	78.7	73.0	5.7	70.5	.77	78.6	77.5	„	1.5					
6 „	.806	.104	76.4	71.3	5.1	68.9	.79	76.4	77.3	„	1.0					
7 „	.820	.118	75.4	71.0	4.4	68.9	.81	75.8	77.2	„	0.6					
8 „	.840	.136	74.9	70.9	4.0	69.0	.83	75.5	77·1	NNW	0.3					
9 „	.854	.144	74.6	71.0	3.6	69.3	.84	75.1	77.0	„	0.0					
10 „	.850	.131	73.8	71.0	2.8	69.7	.88	74.5	76.8	„	0·0					
11 „	.847	.119	73.0	71.0	2.0	70.0	.91	74.0	76.6	„	0.0					
Feb.28th-Midnight	.884	.153	72.7	71.0	1.7	70.2	.92	73.5	76.9	NW	0.1		+	3		4.18
1 a. m.	.863	.116	72.3	71.3	1.0	70.8	.95	73.2	76.8	„	0.0		+	2		Above 10m.
2 „	.859	.122	72.2	71.3	0.9	70.4	.96	73.1	76.7	„	0.0		+	2		1.12
3 „	.853	.107	73.0	71.5	1.5	70.8	.93	73.5	76.6	NNW	0.4					
4 „	.859	.124	72.4	71.0	1.4	70.3	.94	73.3	76.5	„	0.1					
5 „	.870	.158	71.3	70.0	1.3	69.3	.94	72.6	76.4	„	0.2					
6 „	.887	.202	70.6	69.0	1.6	68.1	.93	72.0	76.2	N b W	0.1	None.				
7 „	.993	.219	70.7	69.0	1.7	68.1	.92	71.7	76.2	„	0.1					
8 „	.934	.236	73.2	70.2	3.0	68.7	.87	73.0	76.3	„	0.2					
9 „	.955	.264	75.4	70.7	4.7	68.4	.80	74.3	76.4	NW b N	0.1					
10 „	.961	.252	78.0	72.0	6.0	69.2	.75	75.9	76.6	NW	0.4					
11 „	.943	.216	79.7	73.0	6.7	70.0	.74	77.0	76.9	NW b W	0.4					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ∪ cirro-strati; ∩∪ cumulo-strati; and ≀∩ nimbi.	
2	B	≀≀ scattered about hor., moving ESE.	Mean daily temperature of ground 20 and 60 inches below its surface 79°0 and 80°9.
3	C	≀≀ scattered about, moving ESE.	
4	C	≀≀ scattered about, moving E.	
3	R	" "	
3	R	" "	
3	B	≀≀ scattered around hor.	
3	B	" "	
3	C	≀≀ scattered about hor., moving ESE.	
2	C	≀≀ scattered in W hem., moving SE.	
2	R	" " "	
0	R	A few patches of ≀≀ in NW hor.	
0	B	" "	
0	B	Clear.	
0	C	"	
0	C	"	
0	R	"	
0	R	"	
0	B	"	
0	B	"	
0	C	"	
0	C	"	
0	R	"	
0	R	"	
0	B	"	
0	B	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 79°0 and 80°9.
0	C	Clear; dew falling.	
0	C	" "	
0	C	" "	
0	C	" "	
0	R	Clear.	
0	R	"	
0	R	Mist and fog in hor.	
0	R	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	B	Clear.	
0	B	"	
0	B	"	
0	B	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	C	Clear; dew falling.	
0	C	" "	
0	B	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 79°1 and 81°0.
0	C	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	R	A few ≀ in E; dew falling copiously.	
0	R	" " "	
0	R	A few ≀ in E hor.	
0	R	" "	
0	B	" "	
0	B	Light mist in NE hor.	
0	B	Clear.	

Bombay Civil Time. 1860.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet-Bulb Thermometer.	Thermometers. Depression of Wet-Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 Inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Feb. 28th-Noon.	29.921	29.190	81°0	73°5	7°5	70°2	0.71	78°0	77°1	NW b W	0.5					
1 p. m.	.890	.159	81.4	73.6	7.8	70.2	.70	78.6	77.2	,,	0.7					
2 ,,	.868	.114	82.0	74.4	7.6	71.1	.71	78.8	77.3	,,	0.6					
3 ,,	.845	.168	82.0	75.0	7.0	72.0	.73	79.3	77.5	NW	0.6					
4 ,,	.840	.053	80.8	75.0	5.8	72.6	.77	79.0	77.5	,,	0.8					
5 ,,	.846	.072	79.5	74.2	5.3	71.9	.79	78.2	77.5	,,	0.6					
6 ,,	.845	.077	77.1	73.3	3.8	71.7	.84	77.0	77.5	,,	0.5	None.	None.	None.	None.	None.
7 ,,	.847	.096	75.9	72.5	3.4	71.0	.85	76.3	77.3	,,	1.0					
8 ,,	.873	.110	75.4	72.7	2.7	71.5	.88	76.0	77.3	,,	0.2					
9 ,,	.888	.113	75.4	73.0	2.4	72.0	.90	75.8	77.3	,,	0.3					
10 ,,	.892	.117	75.4	73.0	2.4	72.0	.90	75.5	77.3	NW b N	0.2					
11 ,,	.885	.155	74.6	71.5	3.1	70.1	.87	75.2	77.2	,,	0.2					
Feb. 29th-Midnight	.878	.148	74.6	71.5	3.1	70.1	.87	75.1	77.2	NW	0.2					
1 a. m.	.860	.134	73.2	71.0	2.2	69.9	.91	74.2	77.1	NNW	0.1					
2 ,,	.852	.120	73.6	71.0	1.6	70.2	.93	73.5	77.0	,,	0.4					
3 ,,	.839	.082	73.0	71.8	1.2	71.2	.95	73.9	77.0	NW b N	0.2					
4 ,,	.837	.105	72.6	71.0	1.6	70.2	.93	73.6	76.9	,,	0.2					
5 ,,	.838	.113	71.4	70.4	1.0	69.9	.95	72.7	76.5	NNW	0.1					
6 ,,	.866	.134	71.0	70.5	0.5	70.2	.99	72.5	76.5	,,	0.1					
7 ,,	.887	.127	71.8	71.5	0.3	71.4	.99	72.5	76.5	,,	0.1					
8 ,,	.905	.136	74.2	72.5	1.7	71.7	.92	74.0	76.5	,,	0.1					
9 ,,	.929	.196	76.5	72.2	4.3	70.2	.82	75.0	76.6	,,	0.2					
10 ,,	.932	.197	79.0	73.0	6.0	70.3	.76	76.6	77.0	NW b N	0.3					
11 ,,	.914	.176	80.4	73.5	6.9	70.5	.73	77.8	77.2	NW	0.7	None.	None.	None.	None.	None.
Noon.	.889	.133	81.4	74.0	7.4	71.2	.71	78.5	77.4	,,	0.7					
1 p. m.	.851	.073	82.2	74.5	7.7	72.1	.70	79.4	77.5	,,	0.6					
2 ,,	.828	.091	82.2	74.0	8.2	70.4	.68	79.6	77.7	,,	0.7					
3 ,,	.811	.083	83.0	74.0	9.0	70.0	.66	80.0	77.8	,,	0.5					
4 ,,	.809	.095	82.6	73.5	9.1	69.4	.66	80.0	77.9	,,	0.5					
5 ,,	.821	.141	82.3	72.5	9.8	67.9	.63	79.8	78.0	,,	0.3					
6 ,,	.829	.138	79.6	72.0	7.6	68.4	.70	78.6	78.0	,,	0.2					
7 ,,	.852	.158	78.4	71.7	6.7	68.6	.73	78.0	77.7	,,	0.1					
8 ,,	.859	.150	78.0	72.0	6.0	69.2	.76	77.5	77.7	NW b W	0.1					
9 ,,	.873	.161	77.7	72.0	5.7	69.3	.77	77.2	77.7	,,	0.3					
10 ,,	.874	.150	77.3	72.2	5.1	69.9	.79	76.9	77.7	NW	0.2					
11 ,,	.864	.112	76.8	72.8	4.0	71.0	.83	76.6	77.7	,,	0.1					
Mar. 1st-Midnight	.850	.121	76.2	72.0	4.2	70.1	.82	76.3	77.7	NW b W	1.0					
1 a. m.	.840	.090	75.6	72.4	3.2	71.0	.86	76.0	77.6	NW	0.8					
2 ,,	.830	.088	75.0	72.0	3.0	70.6	.87	75.5	77.5	NW b N	0.5					
3 ,,	.830	.083	73.6	71.7	1.9	70.8	.92	74.7	77.4	NNW	0.4					
4 ,,	.831	.110	73.0	70.8	2.2	69.7	.90	74.0	77.2	,,	0.3					
5 ,,	.832	.171	72.8	69.0	3.8	67.1	.85	73.9	77.1	NW b N	0.5					
6 ,,	.847	.226	71.4	67.3	4.1	65.2	.82	72.7	77.0	,,	0.1					
7 ,,	.873	.180	73.0	70.0	3.0	68.5	.87	73.0	76.9	N b W	0.1		+	9	9	2.00
8 ,,	.897	.257	75.7	69.3	6.4	66.1	.73	75.0	77.0	NNE	0.1		+	2		0.10
9 ,,	.909	.301	78.3	69.2	9.1	64.5	.64	76.3	77.3	N b W	0.1		+	1		Above 10m.
10 ,,	.912	.284	81.0	70.0	11.0	65.5	.59	77.8	77.4	NNE	0.1		+	2		2.36
11 ,,	.907	.230	84.2	73.0	11.2	67.8	.59	79.5	77.7	N b W	0.1	None.	+	2		Above 10m.
Noon.	.872	.160	84.5	74.0	10.5	69.3	.62	80.5	77.9	NW b W	0.7					
1 p. m.	.843	.114	84.6	74.8	9.8	70.1	.64	81.0	78.1	WNW	0.6		+	1		Above 10m.
2 ,,	.823	.093	85.0	74.6	10.4	70.1	.62	81.4	78.2	NW b W	0.8					
3 ,,	.794	.083	85.2	74.2	11.0	69.3	.60	81.8	78.4	,,	0.5					
4 ,,	.787	.055	84.8	74.6	10.2	70.2	.63	81.7	78.5	,,	0.5					
5 ,,	.778	.034	83.6	74.6	9.0	70.7	.67	81.5	78.5	,,	0.5					
6 ,,	.786	.079	81.5	73.0	8.5	69.1	.68	80.4	78.5	WNW	0.6					
7 ,,	.805	.089	80.7	73.0	7.7	69.5	.70	79.6	78.5	,,	1.2					
8 ,,	.824	.095	80.2	73.2	7.0	70.1	.72	79.5	78.4	,,	1.0					
9 ,,	.840	.111	79.5	73.0	6.5	70.1	.74	78.9	78.5	NW b W	0.4					
10 ,,	.853	.215	78.0	70.0	8.0	66.0	.68	77.9	78.4	NW	0.1					
11 ,,	.850	.233	77.8	69.3	8.5	65.0	.66	77.3	78.3	WNW	0.7		+	1		Above 10m.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are : ≀ cirri ; ≀ cirro-cumuli ; ≀ cumuli ; ≀ cirro-strati ; ≀ cumulo-strati ; and ≀ nimbi.	
0	B	Clear.	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	R	"	
0	R	A few ≀ in NW hor.	
0	R	Clear, except in hor.	
0	R	" "	
0	B	Clear ; dew falling.	
0	B	" "	
0	B	" "	
0	B	Clear ; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 79°1 and 81°0.
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	R	"	
0	R	A few ≀ along E hor.	
2	R	Scud around hor., moving SE.	
2	R	" "	
0	B	Light mist along E hor.	
0	B	" "	
0	B	Clear.	
0	B	A few ≀ in E hor.	
0	C	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	R	" "	
0	R	" "	
0	R	Clear.	
0	R	"	
0	B	"	
0	B	"	
0	B	"	
0	B	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 78°9 and 80°8.
0	C	"	
0	C	"	
0	C	Clear ; dew falling.	
0	C	" "	
0	R	" "	
0	R	A few ≀ along E hor.	
0	R	A few ≀ along E hor. ; mist in hor.	
0	R	Mist and fog in hor.	
0	B	" "	
0	B	Mist from W to NE hor.	
0	B	Light mist in N hor.	
0	B	" "	
0	C	Clear.	
0	C	"	
0	C	"	
0	C	"	
0	R	"	
0	R	"	
0	R	"	
0	R	"	
0	B	"	
0	B	"	
0	B	"	

Bombay Civil Time. 1860.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Mar. 2nd-Midnight	29.847	29.115	77°6	72°5	5°1	70°2	0.79	77°3	78°3	WNW	0.8					
1 a. m.	.836	.109	76.7	72.1	4.6	70.0	.81	76.8	78.2	NW b W	0.4					
2 „	.824	.097	76.4	72.0	4.4	70.0	.81	76.6	78.1	„	0.4					
3 „	.809	.105	75.2	71.0	4.2	69.0	.82	75.9	78.0	„	0.4					
4 „	.808	.143	75.5	70.0	5.5	67.8	.77	75.9	77.9	WNW	0.3					
5 „	.816	.244	73.8	66.6	7.2	63.2	.70	74.7	77.7	NNW	0·2					
6 „	.841	.340	72.7	64.0	8.7	58.7	.63	73.7	77.5	NW b N	0.1					
7 „	.862	.357	73.8	64.5	9.3	58.9	.62	73.8	77.5	„	0.1		+	1		Above 10m.
8 „	.889	.408	77.4	65.0	12.4	57.5	.52	76.0	77.5	„	0·0					
9 „	.913	.262	81.3	71.4	9.9	66.6	.62	77.9	77.8	N b E	0·1		+	8		1.03
10 „	.918	.290	82.0	71.0	11.0	65.5	.59	78.5	78.0	NNE	0·1		+	2		3.18
11 „	.905	.209	84.2	73.5	10.7	68.6	.61	80.3	78.2	WNW	0.6		+	1		0.50
Noon.	.880	.192	83.9	73.2	10.7	68.3	.61	80.5	78.4	NW b W	1.2	None.			None.	
1 p. m.	.842	.165	84.2	73.0	11.2	67.8	.59	81.0	78.6	NW	0.7					
2 „	.826	.154	84.6	73.0	11.6	67.6	.58	81.4	78.6	„	0.8					
3 „	.805	.126	84.0	73.0	11.0	67.9	.59	81.3	78.7	„	1.3					
4 „	.795	.092	83.4	72.8	10.6	69.0	.61	81.0	78.8	„	1·0					
5 „	.799	.121	82.1	72.4	9.7	67.8	.63	80.9	78.7	„	0.5					
6 „	.812	.110	79.7	72.3	7.4	68.9	.71	79.5	78.7	„	0·2					
7 „	.830	.146	78.3	71.4	6.9	68.1	.72	78.4	78.5	„	0·1					
8 „	.856	.173	77.7	71.2	6.5	68.1	.74	77.5	78.5	„	0.2					
9 „	.868	.163	76.8	71.5	5.3	69.0	.78	77.0	78.5	„	0.1					
10 „	.866	.120	76.3	72.5	3.8	70.9	.84	76.5	78.4	„	0·3					
11 „	.859	.113	76.3	72.5	3.8	70.8	.84	76.5	78.3	„	0.4					
Mar. 3rd-Midnight	.848	.290	75.6	69.2	6.4	66.0	.73	76.1	78.3	NW	0.1					
1 a. m.	.828	.180	74.0	69.0	5.0	66.5	.78	75.2	78.1	NW b N	0.0					
2 „	.812	.165	72.6	68.5	4.1	66.4	.82	74.0	77.9	N	0.0					
3 „	.802	.165	72.0	68.0	4.0	65.9	.82	73.1	77.7	NNW	0·0					
4 „	.793	.135	72.5	68.8	3.7	66.9	.84	73.4	77.6	„	0.0					
5 „	.802	.160	71.5	68.0	3.5	66.2	.84	72.9	77.4	N	0.0					
6 „	.824	.187	72.0	68.0	4.0	65.9	.82	73.0	77.2	„	0.0					
7 „	.845	.221	72.6	67.8	4.8	65.3	.79	73.0	77.2	„	0.0					
8 „	.870	.295	75.2	67.2	8.0	62.8	.67	74.5	77.3	NNW	0.0					
9 „	.886	.310	78.5	68.3	10.2	62.9	.61	76.3	77.5	„	0.1					
10 „	.887	.235	81.3	71.3	10.0	66.6	.62	78.2	77.7	NW	0.2					
11 „	.868	.203	82.0	72.0	10.0	67.2	.62	79.0	77.9	NW b W	0.4					
Noon.	.838	.136	83.0	73.3	9.7	68.9	.63	80.0	78.1	„	0.2	None.	None.	None.	None.	None.
1 p. m.	.805	.094	84.6	74.0	10.6	69.3	.62	81.0	78.2	„	0.8					
2 „	.771	.151	84.0	71.4	12.6	65.1	.55	81.0	78.3	NW	0.7					
3 „	.736	.107	84.6	71.8	12.8	65.5	.55	81.4	78.5	„	0.8					
4 „	.726	.050	84.3	73.0	11.3	67.8	.59	81.3	78.6	„	0.6					
5 „	.735	.048	81.7	72.5	9.2	68.2	.62	80.2	78.6	„	1.4					
6 „	.741	.061	79.0	71.5	7.5	67.9	.70	78.7	78.4	„	1.0					
7 „	.772	.065	78.2	72.0	6.2	69.1	.75	77.9	78.3	„	0.5					
8 „	.790	.063	78.0	72.5	5.5	70.0	.78	77.9	78.3	„	0.8					
9 „	.813	.091	77.5	72.2	5.3	69.8	.78	77.4	78.3	„	0.7					
10 „	.821	.099	77.5	72.2	5.3	69.8	.78	77.4	78.3	„	0.8					
11 „	.815	.095	77.0	72.0	5.0	69.7	.79	77.0	78.3	„	1.0					
Mar. 5th-Midnight	.829	.203	73.0	68.0	5.0	65.4	.78	74.4	77.7	NW b N	0.1		+	1		Above 10m.
1 a. m.	.807	.174	71.8	67.8	4.0	65.7	.82	72.9	77.6	NNW	0.2		+	1		Above 10m.
2 „	.797	.182	71.0	67.0	4.0	64.9	.82	72.3	77.4	N b W	0.0					
3 „	.794	.172	70.4	67.0	3.4	65.2	.84	71.7	77.2	N	0.0					
4 „	.799	.173	70.0	67.0	3.0	65.4	.86	71.3	77.1	„	0.0					
5 „	.812	.186	70.0	67.0	3.0	65.4	.86	71.2	77.0	N b E	0 0	None.			None.	
6 „	.828	.235	69.2	65.7	3.5	63.8	.84	71.0	76.8	„	0.0					
7 „	.850	.222	70.4	67.2	3.2	66.6	.85	71.0	76.6	„	0.0					
8 „	.876	.219	73.2	69.0	4.2	66.9	.82	73.0	76.6	„	0.0					
9 „	.890	.264	76.0	69.0	7.0	65.4	.71	75.0	76.9	„	0.0					
10 „	.892	.249	79.1	70.5	8·6	64.2	.66	76.6	77.2	NE	0.0					
11 „	.881	.200	81.6	72.3	9.3	68.0	.65	78.6	77.4	NNW	0.3					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are : ≀ cirri ; ≀≀ cirro-cumuli ; ∩ cumuli ; ⌣ cirro-strati ; ⌢ cumulo-strati ; and ≀≀ nimbi.	
0	B	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 79°0 and 80°8. The temperature of Evaporation on this day at 6 A. M. was 64°0, least in the month, and about 8°7 less than normal mean.
0	C	,,	
0	C	,,	
0	C	,,	
0	C	,,	
0	R	A few ≀ in E.	
0	R	,,	
0	R	Light mist in hor.	
0	R	Mist and fog in hor.	
0	B	,, ,,	
0	B	,, ,,	
0	B	,, ,,	
0	B	Mist in N and NE hor.	
0	B	Clear.	
0	C	,,	
0	C	,,	
0	C	,,	
0	C	,,	
0	R	,,	
0	R	,,	
0	R	,,	
0	B	,,	
0	B	Clear; dew falling.	
0	B	,, ,,	
0	B	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 79°0 and 80°9. The height of Barometer at 4 P. M. was 29°726 in., least in the month, and about 0°079 in. lower than the normal mean.
0	C	,, ,,	
0	C	,, ,,	
0	C	,, ,,	
0	C	,, ,,	
0	R	,, ,,	
0	R	Mist in hor.	
0	R	,,	
0	R	,,	
0	B	,,	
0	B	Light mist in N and NE hor.	
0	B	,, ,,	
0	B	,, ,,	
0	C	Clear.	
0	C	,,	
0	C	,,	
0	C	,,	
0	B	,,	
0	B	,,	
0	B	,,	
0	B	,,	
0	B	,,	
0	B	,,	
0	B	,,	
0	R	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 79°0 and 81°0. The temperature of external and free air at 6 A. M. was 69°2, lowest in the month, and about 3°3 lower than the normal mean.
0	B	Clear; dew falling.	
0	B	,, ,,	
0	B	,, ,,	
0	B	,, ,,	
0	C	,, ,,	
0	C	Light mist in hor.	
0	C	Light ≀ in SW, above hor; mist and fog in hor.	
1	C	Light ≀ scattered in E hem.; mist and fog in hor.	
1	R	,, ,, ,,	
2	R	Light ≀ scattered about hor.; mist in hor.	
2	R	,, ,, ,,	

Bombay Civil Time. 1860.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 Inch in the Ground.	Ground Thermometers. Thermometer 9 Inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.				
Mar. 5th–Noon.	29.849	29.147	82°0	73°0	9°0	68°9	0.66	79°0	77°6	„	0.3					
1 p. m.	.830	.126	82.5	73.2	9.3	69.0	.65	79.6	77.7	W b N	0.3					
2 „	.799	.062	82.8	74.2	8.6	70.4	.68	79.9	77.8	WNW	0·4					
3 „	.791	.054	82.8	74.2	8.6	70.4	.68	80.2	78.0	„	0.7					
4 „	.790	.013	82.7	75.2	7.5	72.0	.71	80.3	78.3	W b N	0.5					
5 „	.795	.065	80.8	73.4	7.4	70.1	.71	79.4	78.3	WNW	0.5					
6 „	.819	.075	78.2	73.0	5.2	70.7	.79	78.0	78.1	„	0.3	None.			None.	
7 „	.829	.072	77.0	73.0	4.0	71.2	.83	78.0	77.8	NW b W	0.3					
8 „	.854	.093	76.6	73.0	3.6	71.4	.85	77.9	77.8	„	0.1					
9 „	.875	.107	76.0	73.0	3.0	71.7	.87	76.6	77.9	„	0.0					
10 „	.883	.132	74.2	72.0	2.2	71.0	.90	75.7	77.8	NW	0.0		+	2		Above 10m.
11 „	.874	.150	73.4	71.0	2.4	69.9	.89	75.0	77.7	„	0.0		+	4		Above 10m.
Mar. 6th–Midnight	.866	.105	73.3	72.0	1.3	71.4	.94	74.5	77.5	NW	0.0		+	2		Above 10m.
1 a. m.	.851	.121	73.8	71.3	2.5	70.1	.89	74.6	77.6	„	0.0		+	1		Above 10m.
2 „	.844	.120	73.4	71.0	2.4	69.9	.89	74.2	77.5	„	0.1		+	1		Above 10m.
3 „	.842	.139	73.0	70.3	2.7	69.0	.88	74.0	77.4	„	0.0		+	12		3.18
4 „	.843	.149	71.5	69.5	2.0	68.6	.91	73.0	77.2	„	0.0		+	8		4·05
5 „	.849	.139	70.8	69.8	1.0	69.3	.95	72.4	77.0	„	0.0		+	8		4.17
6 „	.862	.157	70.6	69.6	1.0	69.0	.95	72.0	76.8	N b W	0.0		+	2		Above 10m.
7 „	.887	.160	71.8	70.6	1.2	70.0	.94	72.5	76.8	„	0.0		+	5		0.42
8 „	.911	.169	75.0	72.0	3.0	70.6	.87	74.4	77.0	„	0.0		+	2		1.04
9 „	.928	.187	77.4	72.7	4.7	70.6	.80	76.0	77·3	NNW	0.0					
10 „	.925	.179	79.0	73.3	5.7	70.8	.77	77.1	77.5	„	0.1	None.			None.	
11 „	.917	.299	79.8	70.0	9.8	65.0	.62	77.5	77.5	„	0.1					
Noon.	.885	.188	81.4	72.7	8.7	68.7	.67	78.5	77.7	WSW	0.1					
1 p. m.	.867	.177	83.0	73.0	10.0	68.4	.63	79.9	77.9	„	0.1					
2 „	.844	.171	84.5	73.0	11.5	67.6	.59	80.4	78.0	„	0.1					
3 „	.826	.138	84.8	73.5	11.3	68.3	.59	81.0	78.3	W	0·1					
4 „	.826	.120	85.0	74.0	11.0	69.1	.60	81.3	78.4	„	0.2					
5 „	.826	.089	82.8	74.2	8.6	70.4	.68	80.7	78.5	W b N	0.3					
6 „	.829	.056	79.6	74.2	5.4	71.9	.78	79.0	78.4	„	0.5					
7 „	.856	.070	78.1	74.1	4.0	72.4	.83	78.1	78.2	W	0.1					
8 „	.883	.093	77.4	74.0	3.4	72.6	.86	77.8	78.2	WbN	0.1					
9 „	.893	.109	76.6	73.6	3.0	72.3	.87	77.3	78.1	„	0.1					
10 „	.891	.133	75.2	72.5	2.7	71.3	.88	76.4	78.0	WNW	0.1					
11 „	.883	.134	74.4	72.0	2.4	70.9	.89	75.8	78.0	„	0.0					
Mar. 8th–Midnight	.786	.029	75.3	72.5	2.8	71.2	.88	75.8	77.9	NW b W	0.1					
1 a. m.	.774	.068	75.0	71.0	4.0	69.1	.83	75.4	77.9	„	0.1					
2 „	.761	.028	74.4	71.0	3.4	69.4	.85	75.1	77.7	„	0.1					
3 „	.756	.074	74.0	70.0	4.0	68.0	.83	74.7	77.6	„	0.1					
4 „	.757	.071	73.6	70.0	3.6	68.2	.84	74.3	77.6	„	0·0					
5 „	.759	.045	73.0	70.6	2.4	69.4	.89	74.2	77.5	NW	0.0					
6 „	.780	.087	73.0	70.0	3.0	68.5	.87	74.1	77.4	NW b N	0·0					
7 „	.808	.101	73.6	70.6	3.0	69.1	.87	74.2	77.3	„	0.0					
8 „	.838	.145	76.2	71.0	5.2	68.5	.78	75.3	77.5	N b W	0.0					
9 „	.856	.102	77.3	73.0	4.3	71.1	.82	76.6	77.5	NNE	0.0					
10 „	.869	.145	77.9	72.4	5.5	69.9	.77	77.0	77.6	NE b E	0.0					
11 „	.855	.142	80.0	72.7	7.3	69.4	.71	77.8	77.8	ESE	0·2					
Noon.	.833	.128	81·1	72.8	8.3	69.0	.68	78.5	78.0	NW	0.1	None.	None.	None.	None.	None.
1 p. m.	.815	.120	82.0	72.8	9.2	68.6	.65	78.9	78.0	W b S	0.1					
2 „	.783	.076	83.2	73.5	9.7	69.1	.64	99.6	78.2	„	0.1					
3 „	.765	.055	83.7	73.7	10.0	69.3	.63	80.2	78.4	WSW	0.2					
4 „	.757	.037	83.7	74.0	9.7	69.7	.64	80.3	78.5	„	0.1					
5 „	.757	.037	82.4	73.6	8.8	69.7	.67	80.0	78.5	W b S	0.1					
6 „	.769	.064	79.0	72.2	6.8	69.0	.73	78.3	78.3	W	0.1					
7 „	.786	.073	77.6	72.0	5.6	69.4	.77	77.8	78.3	„	0·0					
8 „	.807	.080	76·4	72.0	4.4	70.0	.81	77.8	78.2	„	0.0					
9 „	.825	·106	75.5	71.5	4.0	69.7	.83	76.4	78.0	„	0.0					
10 „	.833	.093	75.2	72.0	3.2	70.5	.86	76·0	78.0	W b S	0.0					
11 „	.827	.105	75.2	71.5	3.7	69.8	.84	76.0	78.0	WSW	0.0					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩⌣ cumulo-strati; and ≀≀ nimbi.	
1	R	≀ scattered from NE to SW hor.	
0	B	Clear.	
0	B	"	
0	B	"	
0	B	A few ≀ scattered in NW, above hor.	
0	C	" "	
0	C	A few ≀ in W hor.	
0	C	Clear; dew falling.	
0	C	" "	
0	R	" "	
0	R	" "	
0	R	" "	
0	R	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 79°2 and 81°2.
0	B	" "	
0	B	" "	
0	B	≀ scattered in W, moving S; dew falling.	
0	B	A few ≀ in W hor.; dew falling.	
0	C	Clear; dew falling.	
0	C	Light mist around hor.	
0	C	Light ≀ along E hor.; mist around hor.	
0	C	Mist and fog in hor.	
0	R	Mist around hor.	
0	R	A few ≀ in E; mist in W hor.	
2	R	Light ≀ scattered here and there.	
2	R	Light ≀ scattered above E and W hor.	
0	B	A few ≀ in SE, above hor.	
0	B	Clear.	
0	B	"	
0	B	"	
0	R	A few ≀ scattered in E hor.	
2	R	≀ scattered about.	
0	R	A few ≀ in E.	
4	R	≀ scattered about, moving SE.	
2	R	≀ scattered about, moving E.	
2	R	≀ scattered here and there, moving E; dew falling.	
2	R	" " "	
6	R	≀≀ scattered about, moving ESE.	Mean daily temperature of ground 20 and 60 inches below its surface 79°2 and 81°2.
6	B	≀≀ scattered throughout, moving SE.	
6	B	" "	
5	B	" "	
6	B	" "	
7	C	" "	
5	C	" "	
6	C	" "	
7	C	" "	
6	R	" "	
5	R	≀≀ scattered about, moving SE.	
4	R	" "	
2	R	≀≀ scattered about hor., moving SE.	
1	B	≀≀ scattered around hor.	
0	B	A few pieces of ≀≀ in W hor.	
0	B	A few pieces of ≀≀ in N hor.	
0	B	Clear.	
0	C	A few pieces of ≀≀ in W hor.	
1	C	≀≀ scattered around hor., moving E.	
1	C	" " "	
1	C	" " "	
3	R	≀≀ scattered about, moving E.	
6	R	" " "	
6	R	≀≀ scattered throughout, moving ENE.	

Bombay Civil Time. 1860.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in seconds during which the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Mar. 9th-Midnight	29.821	29.117	75°2	71°0	4°2	69°0	0.82	76°0	78°0	SW b S	0.0					
1 a. m.	.800	.120	74.2	70.0	4.2	67.9	.82	75.0	77.8	SW	0·0					
2 „	·785	.103	74.0	70.0	4.0	68.0	.83	74.5	77.7	„	0·0					
3 „	.771	.100	72.8	69.0	3.8	67.5	.83	74.0	77.6	„	0.0					
4 „	.766	.127	71.8	68.0	3.8	66.0	.83	73.3	77.4	„	0.0					
5 „	.772	.042	72.8	71.0	1.8	70.1	.92	73.7	77.3	SSE	0.0					
6 „	.796	.068	73.0	71.0	2.0	70.0	.91	73.5	77.2	„	0.0					
7 „	.822	.105	74·0	71.0	3.0	69.6	.87	75.0	77.4	SE b S	0.0					
8 „	.844	.123	76.6	71.9	4.7	69.7	.80	77.1	77.5	SE b E	0·1					
9 „	.865	.138	79.1	72.8	6.3	70.0	.75	77.4	77.7	ESE	0.1					
10 „	.880	.158	80.2	73.0	7.2	69.8	.72	78.0	77.8	E b S	0.1					
11 „	.867	.136	80.4	73.3	7.1	70.2	.72	78.3	77.9	S b E	0.1					
Noon.	.840	.111	81.6	73.6	8.0	70.1	.69	79.0	78.0	SW	0·1	None.	None.	None.	None.	None.
1 p. m.	.813	.134	82.7	72.6	10.1	67.9	.62	79.5	78.3	W	0.1					
2 „	.788	.102	83.4	73.0	10.4	68.2	.61	80·1	78.4	„	0·2					
3 „	.775	.087	83.2	73.0	10.2	68.3	.62	80.3	78.5	„	0·1					
4 „	.776	.104	83.0	72.5	10.5	67.2	.61	80.2	78.5	„	0·2					
5 „	.777	.101	81.0	72.0	9.0	67.8	.66	79.3	78.5	„	0·2					
6 „	.784	.109	77.8	71.0	6.8	67.7	.73	77.8	78.4	„	0·2					
7 „	.803	.104	76.6	71.0	5.6	68.8	.77	77.8	78.2	W b N	0.2					
8 „	.826	.131	76.0	71.0	5.0	68.6	.79	78.0	78.1	„	0.1					
9 „	.836	.134	75.4	71.0	4.4	68.9	.81	76.0	78.0	WNW	0.0					
10 „	.848	.164	73.8	70.0	3.8	68.1	.83	75.1	77.9	„	0.0					
11 „	.836	.149	73.5	70.0	3.5	68.2	.85	74.9	77.8	W	0.0					
Mar 10th-Midnight	.830	.141	73.6	70.0	3·6	68.2	.84	74.8	77.7	WSW	0.0					
1 a. m.	.820	·134	73.6	70.0	3.6	68.2	.84	74.6	77.7	„	0.0					
2 „	·814	.132	74.0	70.0	4.0	68.0	.83	74.9	77.7	„	0.0					
3 „	.806	.125	73.5	69.2	4.3	67.1	.81	74.3	77.6	W	0.0					
4 „	.810	.147	72.6	69.0	3.6	67.2	.84	73.6	77.4	„	0.0					
5 „	·826	.148	72.5	69.4	3.1	67.8	.86	73.4	77·3	„	0.0					
6 „	.845	.143	72.2	70.0	2.2	69.0	.91	73.0	77.2	NE b N	0.0					
7 „	·869	.152	74.0	71.0	3.0	69.6	.87	74.4	77.3	ENE	0.2					
8 „	.894	.170	76.6	72.0	4.6	69.9	.81	75.6	77.4	„	0.2					
9 „	.921	.211	79.6	72.5	7.1	69.3	.72	77.0	77.6	„	0.1					
10 „	.921	.234	80.0	72.0	8.0	68.2	.69	77.5	77.7	NE	0·1					
11 „	.904	.202	81.0	72.7	8.3	68.9	.68	78.3	77.9	„	0·1					
Noon.	.885	.179	81.6	73.0	8.6	69.1	.67	78.9	77.9	NW	0.1	None.	None.	None.	None.	None.
1 p. m.	.841	·138	82.6	73.2	9.4	69.0	.65	79.8	78.1	W	0.3					
2 „	·813	.102	83.2	73.6	9.6	69.3	.64	80.3	78.3	„	0.2					
3 „	.798	.097	83.4	73.4	10.0	68.9	.63	80.7	78.4	„	0.3					
4 „	.800	.079	82.6	73.7	8.9	69.7	.67	80.7	78.5	W b N	0.3					
5 „	·825	.100	81.2	73.4	7.8	69.9	.70	79.8	78.6	W	0.2					
6 „	.843	.093	79.0	72.7	6.3	71.0	.75	78.2	78.4	„	0·1					
7 „	.860	.148	77.7	72.0	5.7	69.3	.77	77.7	78.3	„	0·1					
8 „	.889	.143	76.6	71.9	4.7	70.8	.81	77.1	78.1	„	0·0					
9 „	.901	.167	75.7	72.0	3.7	70.3	.85	76.5	78.0	„	0·0					
10 „	.904	.168	76.2	72.2	4.0	70.4	.83	76.4	77.9	„	0.0					
11 „	.899	.168	76.0	72.0	4.0	70.2	.83	76.1	77.8	„	0·0					
Mar 12th-Midnight	.907	.141	76.2	73.0	3.2	71.6	.86	76.7	78.3	NW	0.2					
1 a. m.	.888	.121	75.6	72.8	2.8	71.6	.88	76.1	78.2	„	0.0					
2 „	.874	.114	75.0	72.5	2.5	71.4	.89	75.4	78.1	„	0.0					
3 „	.866	.113	74.0	72.0	2.0	71.1	.91	75.0	78.0	„	0.0					
4 „	.861	.106	73.8	72.0	1.8	71.2	.92	74.7	77.9	„	0.0					
5 „	.876	.136	73.2	71.4	1.8	70.5	.92	74.1	77.8	„	0.0					
6 „	.890	.140	73.0	71.6	1.4	71.0	.94	74.0	77.8	„	0.0					
7 „	.910	.141	74.2	72.5	1.7	71.7	.93	74.7	77.6	NW b N	0.0	None.	None.	None.	None.	None.
8 „	.931	.147	76.6	73.6	3.0	72.3	.87	76.0	77.8	„	0·0					
9 „	.937	.202	79.0	73.0	6.0	70.3	.76	77.5	78.0	NNE	0·0					
10 „	.933	.189	80.9	73.8	7.1	70.7	.72	78.8	78.2	NW	0.2					
11 „	.913	.139	81.9	74.9	7.0	71.9	.73	79.6	78.4	„	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀ cirro-cumuli; ⌒ cumuli; ⌒ cirro-strati; ⌒ cumulo-strati; and ≀ nimbi.	
5	R	≀ scattered about, moving ENE.	Mean daily temperature of ground 20 and 60 inches below its surface 79°1 and 81°1.
3	B	≀ scattered about hor. moving E.	
3	R	" "	
0	B	≀ scattered about hor., moving E; dew falling.	
2	B	≀ scattered around hor.; dew falling.	
1	C	≀ scattered about, moving E; new falling.	
4	C	" " "	
5	C	≀ scattered around hor.; mist and fog in hor.	
2	C	" " "	
2	R	≀ scattered around hor.	
2	R	≀ scattered around hor. and in zth., moving ESE.	
1	R	≀ scattered around hor. and in E, moving SE.	
1	R	Clear.	
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	R	"	
0	R	Clear; dew falling.	
0	R	" "	
4	R	≀ scattered about the sky, moving E; dew falling	Mean daily temperature of ground 20 and 60 inches below its surface 79°0 and 81°0.
6	R	" " "	
6	R	" " "	
4	R	" " "	
2	R	" " "	
1	C	≀ scattered along W hor., moving E; dew falling.	
1	C	≀ scattered around hor.; haze along E hor.	
1	C	≀ scattered around hor., moving E; haze along E hor.	
1	C	≀ scattered along W hor.; haze in E hor.	
1	B	≀ scattered from N to W hor.; mist and fog in hor.	
0	B	Mist around hor.	
0	B	Clear.	
0	B	"	
0	R	"	
0	R	"	
0	R	"	
0	R	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	C	Clear; dew falling.	
0	R	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 78°9 and 80°9.
0	B	Clear; dew falling.	
0	B	" "	
0	B	" "	
0	B	" "	
0	C	" "	
0	C	A few ≀ above E and NE hor.; dew deposited on plants.	
0	C	Mist and fog in hor.	
0	C	" "	
0	R	" "	
0	R	Light mist around hor.	
0	R	Clear.	

Bombay Civil Time. 1860.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of		Interval of Time in seconds between the same degree of tension after discharge.
														Straws of Volta 1.	Straws of Volta 2.	
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Mar. 12th-Noon.	29.888	29.132	82°2	74°5	7°7	71°2	0.70	80°0	78.5	NW b W	0.6					
1 p. m.	.869	.097	83.2	75.2	8.0	71.8	.70	80.3	78.6	„	0.5					
2 „	.839	.084	84.0	75.0	9.0	71.2	.67	81.0	78·7	WNW	0.6					
3 „	.820	.070	83.8	74.8	9.0	71.0	.67	81.1	78.9	W b N	0.6					
4 „	.814	.057	83.8	75.0	8.8	71.2	.66	81.1	79.0	W	0.5					
5 „	.809	.043	81.7	74.6	7.1	71.6	.73	80.4	79.0	W b N	0·4					
6 „	.825	.096	79.5	73.0	6.5	70.1	.74	79.0	78.8	„	0.3	None.	None.	None.	None.	None.
7 „	.840	.098	78.4	73.0	5.4	70.6	.78	78.3	78.7	„	0.3					
8 „	.869	.120	77.7	73.0	4.7	70.9	.81	77.9	78.6	„	0·2					
9 „	.890	.147	77.2	72.7	4.5	70.7	.81	77.5	78.5	WNW	0.1					
10 „	.899	.160	76.6	72.4	4.2	70.5	.82	77.0	78.5	„	0.1					
11 „	.894	.163	76.0	72.0	4.0	70.2	.83	76.8	78.5	NW b W	0.1					
Mar. 13th-Midnight	.890	.157	75.8	72.0	3.8	70.2	.84	76.5	78.4	NW b N	0.1					
1 a. m.	.872	.153	75.5	71.5	4.0	69.7	.83	76.1	78.4	„	0·0					
2 „	.842	.132	74.6	71.0	3.6	69.3	.84	75.3	78.3	NW	0.0					
3 „	.838	.121	74.0	71.0	3.0	69.6	.87	74.9	78.1	NNW	0.0					
4 „	.832	.136	73.6	70.3	3.3	68.6	.85	74.5	78.1	„	0.0					
5 „	.832	.154	73.1	69.6	3.5	67.8	.85	73.7	78.0	„	0.0					
6 „	.844	.177	72.8	69.2	3.6	67.3	.84	73.6	77.9	N b W	0.0					
7 „	.870	.131	74.3	71.0	3.3	70.5	.86	74.8	77.8	„	0.0					
8 „	.893	.175	77.2	72.0	5.2	69.6	.78	76.0	77.9	NNW	0.0					
9 „	.909	.191	78.9	72.5	6.4	69.6	.74	77.5	78.0	NW	0.2					
10 „	.913	.210	79.6	72.3	7.3	69.0	.71	78.3	78.2	„	0·5					
11 „	.898	.197	80.8	72.6	8.2	68.9	.68	79.0	78.3	„	0·8					
Noon.	.884	.190	81.0	72.5	8.5	68.6	.67	79.2	78.4	WNW	0.8	None.	None.	None.	None.	None.
1 p. m.	.872	.182	81.4	72.5	8.9	68.4	.66	79.6	78.4	„	0.8					
2 „	.853	.170	82.0	72.5	9.5	68.1	.64	79.6	78.4	W b N	0·8					
3 „	.833	.128	81.7	73.0	8.7	69.0	.67	79.7	78.5	„	0.7					
4 „	.835	.124	80.9	72.9	8.0	69.3	.69	79.3	78.6	„	1.0					
5 „	.837	.131	79.0	72.2	6.8	69.1	.73	78.3	78.5	WNW	0.8					
6 „	.853	.135	77.2	72.0	5.2	69.6	.78	77.5	78.4	W	0.3					
7 „	.867	.183	76.0	70.6	5.4	68.1	.77	76.1	78.4	„	0.5					
8 „	.881	.199	75.6	70.5	5.1	68.0	.79	75.8	78.3	W b N	0.4					
9 „	.894	.209	75.3	70.5	4.8	68.1	.79	76.0	78.1	WNW	0.5					
10 „	.891	.173	75.2	71.4	3.8	69.6	.84	75.8	78.1	„	0.4					
11 „	.891	.162	75.2	71.7	3.5	70.1	.85	75.8	78.0	„	0.2					
Mar. 14th-Midnight	.875	.151	75.0	71.5	3.5	69.9	.85	75.5	78.0	WNW	0.5					
1 a. m.	.855	.153	74.7	70.8	3.9	68.9	.83	75.1	77.9	„	0.3					
2 „	.842	.140	74.7	70.8	3.9	68.9	.83	75.1	77.9	NW	0.2					
3 „	.833	.140	73.0	70.0	3 0	68.5	.87	74.0	77.7	NNW	0.0					
4 „	.840	.143	72.6	70.0	2.6	68.7	.88	73.5	77.6	„	0.1					
5 „	.851	.156	72.2	69.8	2.4	68.6	.89	73.0	77.5	„	0.1					
6 „	.874	.178	72.7	70.0	2.7	68.6	.88	73.3	77.5	„	0.0					
7 „	.913	.199	74.3	71.0	3.3	69.4	.86	74.3	77.4	„	0·0					
8 „	.934	.239	76.0	71.0	5.0	68.6	.79	75.3	77.5	NW	0.1					
9 „	.946	.241	78.4	72.0	6.4	69.0	.74	77.1	77.6	„	0.1					
10 „	.949	.255	81.0	72.5	8.5	68.6	.67	78.6	78.0	„	0.1					
11 „	.923	.226	81.8	72.8	9.0	68.7	.66	79.5	78.1	„	0.4	None.	None.	None.	None.	None.
Noon.	.894	.182	82.4	73.4	9.0	69.3	.66	79.7	78.3	„	0.2					
1 p. m.	.881	.150	82.7	74.0	8.7	70.2	.67	80.0	78.4	W b N	0.5					
2 „	.860	.120	83.3	74.4	8.9	70.5	.67	80.6	78.5	„	0.7					
3 „	.838	.117	83.0	73.8	9.2	69.7	.66	80.5	78.6	„	0·7					
4 „	.837	.135	82.0	73.0	9.0	68.9	.66	80.1	78.7	„	0.8					
5 „	.837	.117	80.4	73.0	7.4	69.7	.71	79.1	78.6	WNW	0.7					
6 „	.840	.110	78.4	72.7	5.7	70.1	.77	78.0	78.5	NW b W	0.6					
7 „	.855	.107	77.8	73.0	4.8	70.9	.80	77.8	78.4	NW	0.5					
8 „	.873	.119	77.4	73.0	4.4	71.1	.82	77.4	78.4	„	0·3					
9 „	.873	.102	77.4	73.5	3.9	71.8	.84	77.5	78.4	„	0.1					
10 „	.877	.085	77.2	74.0	3.2	72.7	.87	77.3	78.4	„	0.1					
11 „	.869	.106	75.8	72.8	3.0	71.5	.87	76.5	78.3	„	0·1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≤∩ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩⌣ cumulo-strati; and ⌣ nimbi.	
0	R	Clear.	
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	R	"	
0	R	"	
0	R	"	
0	R	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 78°9 and 80°9.
0	B	"	
0	B	Clear; dew falling.	
0	B	" "	
0	B	" "	
0	C	" "	
0	C	" "	
0	C	Mist and fog in hor.	
0	C	Pieces of clouds along E hor., moving SE.	
4	R	≤∩ like clouds scattered about, moving S.	
4	R	" " "	
0	R	A few pieces of clouds in E and W hor., moving SSE.	
1	R	≤∩ scattered in W, E, and S hor.	
0	B	Clear.	
0	B	"	
0	B	"	
0	B	"	
0	C	≤ and pieces of ≤∩ along E hor.	
1	C	≤ scattered along W hor.; ≤∩ along E hor.	
1	C	≤∩ scattered along E hor.	
0	C	A few pieces of ≤∩ scattered in E hor.	
0	R	" "	
0	R	Clear, except in hor.	
4	R	≤∩ and fleecy clouds scattered about, moving E.	
2	R	Dense fleecy clouds scattered about, moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 78°8 and 80°8.
1	B	Light fleecy clouds scattered here and there, moving E.	
2	B	Light fleecy clouds scattered about, moving SE.	
1	B	Light fleecy clouds scattered here and there; dew falling.	
2	B	" " "	
2	C	" " "	
5	C	≤ and ≤∩ scattered about, the latter moving SE.	
6	C	≤∩ scattered about, moving S; haze along E hor.	
4	C	≤ and ≤∩ scattered about, the latter moving W; haze along W hor.	
4	R	≤∩ scattered about, moving N; haze along E hor.	
3	R	≤ and ≤∩ scattered about, the latter moving N.	
4	R	≤∩ along E hor.; ≤ scattered about.	
7	R	≤ scattered throughout, moving N.	
7	B	" "	
6	B	≤ scattered throughout, moving NNE.	
6	B	" "	
3	B	≤ and light fleecy clouds scattered about, both moving NNE.	
3	C	" " "	
4	C	" " "	
2	C	≤ scattered about hor., moving NE.	
2	C	" "	
0	R	A few ≤ in NW, above hor.	
0	R	Clear; dew falling.	
0	R	" "	

Bombay Civil Time. 1860.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newmann's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Mar 15th-Midnight	29.857	29.087	75°8	73°0	2°8	71°8	0.88	76°3	78°3	NW	0.1					
1 a. m.	.850	.082	76.0	73.0	3.0	71.7	.87	76.1	78.3	,,	0.1					
2 ,,	.847	.072	75.4	73.0	2.4	72.0	.90	75.7	78.2	,,	0.1					
3 ,,	.845	.070	76.0	73.2	2.8	72.0	.88	76.2	78.2	,,	0.1					
4 ,,	.841	.062	75.0	73.0	2.0	72.1	.91	75.4	78.1	,,	0.2					
5 ,,	.846	.068	74.7	72.9	1.8	72.1	.92	75.2	78.1	,,	0.0					
6 ,,	.858	.083	74.3	72.7	1.6	72.0	.93	75.0	78.0	,,	0.0					
7 ,,	.879	.119	75.0	72.5	2.5	71.4	.89	75.2	77.9	,,	0.0					
8 ,,	.895	.101	77.0	74.0	3.0	72.8	.83	76.5	78.0	NNW	0.1					
9 ,,	.902	.125	79.2	74.2	5.0	72.0	.80	78.0	78.2	NW	0.2					
10 ,,	.911	.184	81.4	73.5	7.9	70.0	.69	79.6	78.4	,,	0.2					
11 ,,	.891	.111	83.1	75.4	7.7	72.2	.71	80.8	78.6	,,	0.2					
Noon.	.866	.115	83.0	74.6	8.4	71.0	.68	81.0	78.7	NW b W	0.3	None.	None.	None.	None.	None.
1 p. m.	.845	.089	83.9	75.0	8.9	71.2	.67	81.1	78.9	WNW	0.8					
2 ,,	.823	.068	84.0	75.0	9.0	71.2	.67	81.5	79.0	,,	1.5					
3 ,,	.793	.069	83.4	74.0	9.4	69.9	.65	81.4	79.0	,,	1.7					
4 ,,	.780	.054	82.3	73.7	8.6	69.9	.67	80.6	79.1	,,	1.0					
5 ,,	.783	.026	80.4	74.0	6.4	71.2	.75	79.5	79.0	NW b W	1.4					
6 ,,	.786	.051	79.0	73.0	6.0	70.3	.76	78.6	78.9	,,	0.8					
7 ,,	.794	.075	78.4	72.4	6.0	69.7	.76	78.2	78.8	,,	0.4					
8 ,,	.824	.079	78.1	73.0	5.1	70.7	.79	78.0	78.8	,,	0.2					
9 ,,	.836	.089	77.9	73.0	4.9	70.8	.80	78.0	78.7	NW	0.2					
10 ,,	.828	.078	77.6	73.0	4.6	71.0	.81	77.8	78.8	,,	0.2					
11 ,,	.833	.063	77.5	73.5	4.0	71.8	.83	77.7	78.7	,,	0.1					
Mar 16th-Midnight	.829	.059	77.5	73.5	4.0	71.8	.83	77.5	78.7	NW b W	0.4					
1 a. m.	.819	.069	77.0	72.8	4.2	71.0	.82	77.0	78.7	NW	0.6					
2 ,,	.805	.065	76.5	72.4	4.1	70.5	.83	76.5	78.7	NW b W	0.8					
3 ,,	.809	.065	76.2	72.4	3.8	70.7	.84	76.3	78.6	NW	0.6					
4 ,,	.818	.094	75.0	71.5	3.5	69.9	.85	75.5	78.5	N b W	0.4					
5 ,,	.832	.086	74.6	72.0	2.6	70.8	.87	74.8	78.5	NNW	0.1					
6 ,,	.846	.111	74.0	71.5	2.5	70.3	.87	75.0	78.3	,,	0.0					
7 ,,	.873	.131	75.0	72.0	3.0	70.9	.89	75.2	78.2	NW b N	0.0					
8 ,,	.895	.160	77.7	72.6	5.1	70.3	.79	77.3	78.4	NW	0.0					
9 ,,	.911	.165	79.7	73.5	6.2	70.8	.75	78.4	78.5	WNW	0.1					
10 ,,	.905	.197	80.6	72.8	7.8	69.2	.70	78.9	78.5	,,	0.4					
11 ,,	.882	.172	81.9	73.2	8.7	69.3	.67	79.7	78.7	,,	0.2					
Noon.	.863	.163	82.2	73.0	9.2	68.8	.65	80.0	78.7	,,	0.2	None.	None.	None.	None.	None.
1 p. m.	.837	.119	84.0	74.0	10.0	69.6	.63	80.6	78.9	W b N	0.4					
2 ,,	.809	.087	84.7	74.3	10.4	69.8	.62	81.2	79.1	W	0.2					
3 ,,	.795	.080	84.3	74.0	10.3	69.5	.62	81.5	79.3	WNW	0.6					
4 ,,	.795	.069	82.9	73.9	9.0	69.9	.66	80.9	79.3	,,	0.8					
5 ,,	.807	.081	80.2	73.1	7.1	69.9	.72	79.4	79.2	,,	0.6					
6 ,,	.835	.126	78.0	72.0	6.0	69.2	.76	78.0	79.0	,,	0.6					
7 ,,	.851	.131	77.0	72.0	5.0	69.7	.79	77.2	78.8	NW b W	0.5					
8 ,,	.870	.141	76.2	72.0	4.2	70.1	.82	76.8	78.7	,,	0.4					
9 ,,	.889	.163	75.8	71.8	4.0	69.9	.83	76.5	78.6	,,	0.1					
10 ,,	.891	.172	75.5	71.5	4.0	69.7	.83	76.3	78.6	,,	0.1					
11 ,,	.885	.151	75.1	71.8	3.3	70.3	.86	76.0	78.5	,,	0.0					
Mar 17th-Midnight	.869	.150	73.8	71.0	2.8	70.1	.88	75.3	78.4	NW	0.0					
1 a. m.	.854	.161	73.0	70.0	3.0	68.5	.87	74.3	78.3	NW b W	0.0					
2 ,,	.843	.128	73.9	70.9	3.0	69.5	.87	74.8	78.3	,,	0.1					
3 ,,	.842	.151	73.8	70.2	3.6	68.4	.84	74.6	78.2	,,	0.1					
4 ,,	.840	.156	73.8	70.0	3.8	68.1	.83	74.5	78.1	,,	0.0					
5 ,,	.863	.174	73.4	70.0	3.4	68.3	.85	74.2	78.0	NNW	0.0	None.	None.	None.	None.	None.
6 ,,	.888	.197	73.2	70.0	3.2	68.4	.86	74.0	77.9	,,	0.0					
7 ,,	.896	.217	73.6	69.8	3.8	67.9	.83	74.0	77.8	N b W	0.0					
8 ,,	.918	.227	76.4	71.0	5.4	68.4	.77	76.0	77.8	,,	0.1					
9 ,,	.940	.267	78.0	71.0	7.0	67.6	.72	77.0	77.8	N	0.1					
10 ,,	.937	.239	79.0	72.0	7.0	68.7	.72	77.5	78.0	NNW	0.1					
11 ,,	.926	.242	80.9	72.2	8.7	68.1	.67	78.4	78.3	NW	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≤ cirro-cumuli; ⌒ cumuli; ⌒ cirro-strati; ⌒ cumulo-strati; and ≤ nimbi.	
0	R	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 78°8 and 80°8.
0	B	" "	
1	B	≤ scattered along E hor; dew falling.	
2	B	≤ and fleecy clouds scattered around hor; dew falling.	
3	B	" " "	
3	C	" " "	
5	C	≤ and fleecy clouds scattered about.	
8	C	≤ and fleecy clouds scattered throughout, the latter moving S; mist and fog in hor.	
7	C	" " "	
8	R	" " "	
8	R	Overcast with ≤ and light fleecy clouds, both moving SE.	
8	R	Overcast with ≤, moving E.	
8	R	" "	
8	B	Overcast with ≤, moving ENE.	
8	B	Overcast.	
8	B	"	
8	B	"	
8	C	"	
8	C	"	
3	C	≤ scattered about hor.	
5	C	" "	
3	R	" "	
4	R	≤ scattered here and there, moving ESE.	
3	R	≤ scattered about, moving E.	
4	R	≤ scattered about, moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 78°9 and 80°9.
6	B	≤ scattered about, moving NE.	
4	B	" "	
4	B	≤ scattered about, moving ENE.	
5	B	" "	
8	C	Overcast with ≤, moving ENE; a few stars dimly visible; dew falling.	
7	C	Nearly overcast with ≤, moving E; dew falling.	
7	C	Nearly overcast; mist and fog in hor.	
7	C	" "	
8	R	Overcast with ≤, moving ENE; mist and fog in hor.	
8	R	Overcast; light mist around hor.	
8	R	Overcast with ≤, moving NE.	
7	R	Densely clouded with ≤, moving NE.	
3	B	Densely clouded with ≤ around hor.	
2	B	≤ scattered around hor.	
3	B	" "	
2	B	" "	
2	C	" "	
1	C	≤ scattered along E hor.	
1	C	" "	
0	C	A few ≤ in E hor.	
0	R	"	
0	R	A few ≤ in NW hor.	
0	R	Clear; dew falling.	
0	R	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 79°0 and 81°0.
1	B	Dense ≤ scattered about, moving E; dew falling.	
2	B	Dense ≤ scattered around hor.; dew falling.	
3	B	Dense ≤ scattered about, moving ESE.	
4	C	" "	
5	C	" "	
6	C	" "	
5	C	Dense ≤ scattered about, moving ESE; mist along E hor.	
4	B	Dense ≤ scattered about, moving ESE.	
6	B	Dense ≤ scattered about, moving SE.	
3	B	" "	
3	B	Dense ≤ scattered about, moving SSE.	

Bombay Civil Time. 1860.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the original degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Mar. 17th-Noon.	29.895	29.203	81°4	72°5	8°9	68°5	0.66	79°0	78·4	W b N	0.2					
1 p. m.	.857	.149	82.8	73.4	9.4	69.2	.65	79.9	78.5	W b S	0.1					
2 „	.829	.105	83.4	74.0	9.4	69.9	.65	80.3	78.6	„	0.1					
3 „	.813	.089	83.4	74.0	9.4	69.9	.65	80.9	78.7	W	0.2					
4 „	.808	.104	81.8.	73.0	8.8	69.0	.67	80.2	78.7	„	0.3	None.	None.	None.	None.	None.
5 „	.826	.135	79.7	72.0	7.7	68.4	.70	78.3	78.7	W b N	0.3					
6 „	.840	.156	77.0	71.0	6.0	68.1	.75	77.0	78.5	„	0.3					
7 „	.848	.151	75.8	71.0	4.8	68.7	.80	76.1	78.4	WNW	0.2					
8 „	.860	.179	75.4	70.4	5.0	68.0	.79	75.6	78.3	„	0·2					
9 „	.870	.190	74.8	70.2	4.6	67.9	.80	75.2	78.3	NW b W	0·0					
10 „	.868	.181	74.2	70.2	4.0	68.2	.83	75.0	78.2	„	0.0					
11 „	.868	.186	74.0	70.0	4.0	68.0	.83	74.8	78.1	NW	0.1					
Mar19th-Midnight	.854	.152	75.4	71.0	4.4	68.9	.81	75.9	78.0	W	0.0					
1 a. m.	.838	.136	75.4	71·0	4.4	68.9	.81	75.8	78.0	„	0.1					
2 „	.824	.120	75.2	71.0	4.2	69.0	.82	75.4	77.9	„	0.0					
3 „	.818	.103	74·8	71.2	3.6	69.5	.84	75.1	77.8	„	0.1					
4 „	.815	.124	73.8	70.2	3.6	68.4	.84	74.5	77.7	„	0.0					
5 „	.830	.121	73.4	70.6	2.8	69.2	.88	74.2	77·6	W b N	0.0					
6 „	.846	.120	73.2	71.0	2.2	69.9	.90	74.0	77.5	W	0.0					
7 „	.865	·127	75.4	72·0	3.4	70·5	.85	75.1	77.7	„	0.0					
8 „	.895	.149	78.0	73.0	5.0	70.8	.79	78.0	77.8	W b N	0.2					
9 „	.921	.177	79·9	73.5	6.4	70.7	.75	78.0	78.0	NW b N	0.4					
10 „	.929	.182	81.3	74.0	7.3	70.8	.72	79.0	78.1	„	0.2	None.	None.	None.	None.	None.
11 „	.917	.178	82·0	74.0	8.0	70.5	.69	79.7	78.4	NW	0·1					
Noon.	.898	.154	82.6	74.3	8.3	70·7	.69	80.0	78.5	„	0.3					
1 p. m.	.878	.140	82.1	74.0	8.1	70.5	.69	80.0	78.6	NW b W	0·4					
2 „	·845	.115	82.8	74.0	8.8	70.1	.67	80.2	78.7	WNW	0.8					
3 „	.835	.112	82.8	73·6	9.2	69.5	.66	80·2	78·7	„	0.5					
4 „	.833	.113	82.0	73.5	8.5	69.7	.68	79.9	78.8	NW b W	0.5					
5 „	.826	.105	80.6	73.1	7.5	69.7	.71	79.6	78.7	W b N	0.2					
6 „	.834	.125	78.0	72.0	6.0	69.3	.76	78.1	78.6	WNW	0.5					
7 „	.852	.148	77·5	71·7	5.8	69.0	.76	77.0	78.4	NW b W	0·4					
8 „	.859	.164	76.0	71.0	5.0	68.6	.79	76.1	78.3	„	0.4					
9 „	.869	.152	75.7	71.5	4.2	69.6	.82	76.1	78.3	„	0.4					
10 „	.875	.171	75.2	71.0	4.2	69.0	.82	76.0	78.2	NW	0.4					
11 „	.867	.164	74·6	70.8	3.8	69.0	.84	75.5	782.	„	0·0					
Mar20th-Midnight	.862	.159	74.0	70.6	3.4	69.0	.85	75.0	78.0	NW	0.0					
1 a. m.	.852	.156	73.4	70.2	3.2	68.6	.86	74.1	77·9	„	0.1					
2 „	.843	.150	73.0	70.0	3.0	68.5	.87	73.9	77.8	„	0.0					
3 „	.841	.168	71.8	69.0	2.8	67.6	.88	72.9	77·6	„	0·0					
4 „	.846	.171	71.5	69.0	2.5	67.7	·89	72 7	77.5	„	0.0					
5 „	.856	.179	71.4	69.0	2.4	67.8	.89	72.5	77.3	„	0.0					
6 „	.894	.194	71.4	69.7	1·7	68.8	·92	72.3	77.2	„	0.0					
7 „	.924	.198	73.8	71.2	2.6	69.9	·89	74.0	77.3	„	0.0					
8 „	.950	.233	76·0	71.6	4.4	69.6	.81	75.1	77.5	NW b N	0.1					
9 „	.969	.229	78.2	72.9	5.3	70.5	·78	76.8	77.6	„	0.2	None.	None.	None.	None.	None.
10 „	.971	.244	79.7	73.0	6.7	70.0	.73	77.7	77.8	NW	0.3					
11 „	.961	.236	80.6	73.2	7·4	69.9	.71	78.4	78.0	„	0.3					
Noon.	.930	.188	81·7	74.0	7.7	70.6	.70	79.0	78.0	„	0.3					
1 p. m.	.915	.217	83.0	73.2	9.8	68.7	.63	79.8	78.3	W b N	0.3					
2 „	.886	.161	83.3	74.0	9.3	69.9	.65	80.2	78.4	WNW	0.7					
3 „	.865	.137	83.0	74.0	9.0	70.0	.66	80.3	78.5	„	0.5					
4 „	.855	.126	82.9	74.0	8.9	70.1	.67	80.3	78.6	„	0.5					
5 „	.845	·180	81.6	71.6	10.0	67.2	.62	79.7	78.6	„	0.2					
6 „	.854	.095	80.2	74.0	6.2	71.3	.75	79.0	78.6	„	0.4					
7 „	.869	.112	78.3	73.4	4.9	71.2	.80	78.0	78.5	NW b W	0.6					
8 „	.890	·142	77.8	73.0	4.8	70.9	.80	77.8	78.5	NW	0.7					
9 „	.901	.150	77.5	73.0	4.5	71.0	.81	77.6	78.5	„	0.7					
10 „	.901	.141	77.1	73·1	4.0	71.4	.83	77.3	78.4	NW b N	0.4					
11 „	.894	.137	77.0	73.0	4·0	71.2	.83	77.3	78.4	NW	0.6					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩≀ cumulo-strati; and ≀≀ nimbi.	
2	R	Dense ≀ scattered about hor.	
2	R	" "	
2	R	" "	
3	R	≀ scattered about, moving ESE.	
4	B	≀ scattered about, moving E.	
2	B	≀ scattered about hor., moving E.	
6	B	≀ scattered about, moving E.	
4	B		
2	B	" "	
1	B	≀ scattered about hor.	
1	B	≀ scattered around hor.; dew falling.	
1	B		
1	B	" "	
		" "	
1	R	≀≀ scattered about W and S hor.	Mean daily temperature of ground 20 and 60 inches below its surface 79°0 and 81°0.
1	B	≀≀ scattered about W, S, and E hor.	
0	B	Pieces of ≀≀ scattered around hor.	
1	B	Patches of ≀≀ scattered in N, above hor.	
1	B	≀≀ around hor.; ≀ scattered here and there; dew falling.	
1	C	≀≀ around hor., moving SE; ≀ scattered above E hor.; dew falling.	
1	C		
1	C	" " " "	
2	C	Fleecy clouds scattered around hor., moving E.	
4	R	A few ≀ in NW hor.; fleecy clouds scattered about, moving E; mist along E hor.	
4	R	≀≀ scattered about, moving SE; mist along E hor.	
2	R	≀≀ scattered about, moving S; mist along E hor.	
1	R	≀≀ scattered around hor.	
1	B	≀ scattered from SW to NE hor.	
1	B	" "	
1	B	≀ scattered around hor.; except in S.	
1	B		
1	B	" "	
1	C	≀ and ≀≀ scattered around hor., the latter moving N.	
0	C	Clouded as before, but ≀≀ motion were NE.	
0	C	A few pieces of ≀≀ around hor.	
0	C	Clear.	
0	C	"	
0	R	"	
0	R	"	
0	R	"	
0	R	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 79°0 and 81°0. The reading of barometer corrected for temperature at 10 A. M. was 29·971 in., greatest in the month, and about 0·065 in. greater than the Normal Mean.
1	B	≀≀ scattered along W hor.; dew falling.	
1	B	≀≀ scattered along W and ≀ along E hor.; dew falling.	
1	B		
1	B	" " "	
1	B	≀≀ scattered along W hor.; ≀ above E and S hor.; dew falling.	
2	C	≀≀ scattered along W hor., moving SSE; ≀ above E and S hor.; dew falling.	
2	C	≀≀ scattered around hor., moving SSE.	
5	C	≀≀ scattered about, moving SSE.	
1	C	Patches of ≀≀ scattered around hor., moving SE.	
3	R	≀≀ scattered about, moving SSE.	
3	R		
0	R	" "	
0	R	A few ≀ in E hor.	
0	R	Clear.	
0	B	"	
0	B	"	
0	B	"	
0	B	A few ≀ in E hor.	
0	C	" "	
0	C	Clear.	
0	C	"	
0	C	"	
0	R	"	
0	R	"	
0	R	"	

Bombay Civil Time. 1860.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer 1 Inch in the Ground.	Thermometer 9 Inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Mar. 21st-Midnight	29.887	29.128	76°8	73°0	3°8	71°3	0.84	77°0	78°4	NW	0.8					
1 a. m.	.873	.111	76.5	73.0	3.5	71.4	.85	76.6	78.4	„	0.1					
2 „	.855	.122	74.2	71.5	2.7	70.2	.88	75.0	78.2	N b W	0.0					
3 „	.842	.120	73.5	71.0	2.5	69.8	.89	74.1	78.0	„	0.1					
4 „	.856	.131	73.3	71.0	2.3	69.9	.90	74.0	77.9	„	0.1					
5 „	.878	.145	72.5	71.0	1.5	70.2	.93	73.7	77.7	„	0.1					
6 „	.888	.166	72.2	70.6	1.6	69.8	.93	73.1	77.5	N	0.1					
7 „	.918	.167	74.2	72.0	2.2	71.0	.90	74.3	77.5	„	0.0					
8 „	.948	.187	76.6	73.0	3.6	71.4	.85	76.7	77.7	N b W	0.1					
9 „	.953	.184	79.3	74.0	5.3	71.7	.79	77.5	78.0	N b E	0.1					
10 „	.940	.199	81.8	74.0	7.8	70.6	.70	79.0	78.2	ENE	0.1					
11 „	.923	.161	83.4	75.0	8.4	71.4	.63	80.2	78.5	NW b W	0.5	None.	None.	None.	None.	None.
Noon.	.894	.117	83.8	75.5	8.3	72.0	.69	81.0	78.5	NW	0.8					
1 p. m.	.858	.075	85.0	76.0	9.0	72.3	.67	81.5	78.8	NW b W	1.0					
2 „	.827	.051	84.6	75.7	8.9	72.0	.67	81.6	78.9	WNW	1.3					
3 „	.802	.032	84.4	75.5	8.9	71.8	.67	81.8	79.0	„	1.3					
4 „	.790	.025	83.8	75.2	8.6	71.6	.68	81.6	79.2	„	1.5					
5 „	.793	.043	82.4	74.4	8.0	71.0	.69	80.9	79.1	„	1.2					
6 „	.795	.041	80.6	74.0	6.6	71.1	.74	79.8	79.0	NW	1.5					
7 „	.809	.048	80.0	74.0	6.0	71.4	.76	79.3	79.0	„	1.4					
8 „	.818	.069	79.8	73.6	6.2	70.9	.75	79.1	79.0	„	1.0					
9 „	.827	.047	80.0	74.5	5.5	72.2	.78	79.3	79.0	„	0.8					
10 „	.831	.040	79.7	74.7	5.0	72.6	.80	79.3	79.0	„	0.5					
11 „	.815	.015	78.9	74.7	4.2	73.0	.83	78.9	79.0	„	0.1					
Mar. 22nd-Midnight	.811	28.990	78.0	75.0	3.0	73.8	.87	78.0	79.0	NW	0.0					
1 a. m.	.791	.975	77.8	74.8	3.0	73.6	.87	77.8	79.0	„	0.2					
2 „	.782	.979	77.2	74.3	2.9	73.1	.89	77.5	78.9	„	0.3					
3 „	.762	.966	76.8	74.0	2.8	72.8	.88	77.2	78.9	WNW	0.7					
4 „	.767	.971	76.8	74.0	2.8	72.8	.88	77.1	78.8	NW	0.6					
5 „	.777	.972	76.0	74.0	2.0	73.2	.91	76.8	78.7	NW b N	0.3					
6 „	.797	29.077	73.7	71.0	2.7	69.7	.88	75.0	78.5	N b W	0.1					
7 „	.820	.149	75.0	70.0	5.0	67.5	.77	75.3	78.4	NNW	0.1					
8 „	.844	.180	78.2	71.0	7.8	67.2	.69	77.2	78.6	N b W	0.1					
9 „	.849	.150	82.3	73.0	9.3	68.8	.65	79.7	78.7	NW	0.1					
10 „	.853	.135	84.0	74.0	10.0	69.6	.63	80.0	79.0	NNE	0.0					
11 „	.839	.099	85.4	75.0	10.4	70.5	.62	81.4	79.2	NW	0.1	None.				
Noon.	.809	.125	87.0	74.0	13.0	68.1	.55	82.7	79.5	WNW	0.3					
1 p. m.	.790	.097	87.6	74.4	13.2	68.5	.55	83.2	79.7	„	0.6					
2 „	.757	.038	87.3	75.0	12.3	69.7	.57	83.5	79.8	„	1.8					
3 „	.738	28.972	86.5	76.0	10.5	71.6	.63	83.3	79.8	„	1.0					
4 „	.738	.924	85.7	77.0	8.7	73.5	.68	83.0	79.9	„	0.8					
5 „	.737	.933	83.8	76.2	7.6	73.1	.71	82.6	80.0	„	0.8					
6 „	.752	.935	81.2	75.8	5.4	73.6	.79	81.0	80.0	„	0.6					
7 „	.774	.956	80.0	75.5	4.5	73.6	.82	80.0	79.8	„	0.8					
8 „	.787	.983	79.5	75.0	4.5	73.1	.82	79.5	79.7	NW b W	0.8		+	3		Not Obsd.
9 „	.819	29.005	78.6	75.0	3.6	73.5	.85	79.0	79.6	„	0.0		+	8	7	Not Obsd.
10 „	.818	.018	77.5	74.3	3.2	73.0	.87	78.1	79.5	NW	0.0		+	11	10	Not Obsd.
11 „	.805	.022	78.0	74.0	4.0	72.3	.83	78.5	79.5	„	0.3		+	8	7	Not Obsd.
Mar. 23rd-Midnight	.803	.021	77.1	73.7	3.4	72.2	.86	77.7	79.5	NNW	0.2		+	25	25	0.05
1 a. m.	.797	.031	76.2	73.0	3.2	71.6	.87	76.6	79.3	„	0.0		+	20	20	0.10
2 „	.783	.018	75.6	72.8	2.8	71.6	.88	76.2	79.2	„	0.0		+	6	6	Above 10m.
3 „	.783	.097	75.2	70.5	4.7	68.2	.80	76.0	79.1	„	0.4		+	2		Above 10m.
4 „	.781	.105	74.5	70.0	4.5	67.8	.81	75.5	78.9	„	0.0		+	2		Above 10m.
5 „	.793	.132	74.0	69.4	4.6	67.1	.80	75.1	78.9	„	0.0		+	2		Above 10m.
6 „	.805	.169	73.6	68.5	5.1	65.9	.78	74.7	78.7	„	0.0	None.	+	2		Above 10m.
7 „	.835	.106	76.2	72.0	4.2	70.1	.82	76.0	78.7	N b W	0.0		+	2		Above 10m.
8 „	.861	.255	79.0	69.4	9.6	64.4	.63	78.2	78.9	NW b N	0.0		+	3		Above 10m.
9 „	.872	.234	82.4	71.4	11.0	66.0	.59	79.5	79.0	NW	0.0		+	2		Above 10m.
10 „	.878	.220	84.6	72.6	12.0	66.9	.57	81.0	79.2	NW b W	0.3		+	3		Above 10m.
11 „	.875	.153	85.6	74.6	11.0	69.8	.61	82.0	79.5	„	0.4		+	3		Above 10m.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Nota.—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≤≤ cirro-cumuli; ⌒ cumuli; ⌣ cirro-strati; ⌒⌒ cumulo-strati; and ≤⌒ nimbi.	
0	R	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 79°1 and 81°1.
0	B	Clear; dew falling.	
1	B	≤ scattered along E hor.; dew falling.	
1	B	" " "	
0	B	A few ≤ scattered along E hor.; dew falling.	
0	C	A few ≤ above SE hor.; dew falling.	
0	C	" " "	
0	C	Mist along W hor.; haze along E hor.	
0	C	" " "	
0	R	" " "	
0	R	Clear.	
0	R	"	
0	R	"	
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	R	"	
0	R	"	
0	R	"	
0	R	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 79°2 and 81°2.
0	B	" "	
0	B	A few ≤ along E hor.; dew falling.	
0	C	A few ≤ along E hor.	
1	C	≤ scattered along E hor.	
1	R	≤ scattered along E hor.; dew falling.	
0	R	Clear.	
0	B	Mist along W hor.	
0	B	"	
0	C	Mist and fog in hor.	
0	C	" "	
0	R	Clear.	
0	R	"	
0	B	"	
0	B	"	
0	C	"	
0	C	"	
0	R	"	
0	R	"	
0	B	"	
0	B	"	
0	C	Clear; dew falling.	
0	C	" "	
0	R	" "	
0	R	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 79°2 and 81°2.
0	B	" "	
0	B	" "	
0	B	A few ≤ along E hor.; dew falling.	
0	B	" "	
0	C	" "	
0	C	Mist and fog in hor.	
0	C	" "	
0	C	" "	
0	R	" "	
0	R	Light haze along E hor.	
0	R	Clear.	

Bombay Civil Time. 1860.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in ● recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Mar. 23rd–Noon.	29.844	29.076	86°4	76°0	10°4	71°7	0.63	82°8	79°7	W b N	0.2		+	2		Above 10m.
1 p. m.	.815	·001	86.5	77.2	9.3	73.5	.66	83.2	79.8	WNW	0.5					
2 „	.780	.006	86.6	76.2	10.4	71.9	.63	83.3	79.9	„	0.7					
3 „	.757	28.983	86.6	76.2	10.4	71.9	.63	83.6	80.1	„	1.0					
4 „	.746	.974	86.0	76.0	10.0	71.8	.64	83.5	80.2	NW	1.0					
5 „	.733	.981	84.2	75.1	9.1	71.2	.66	82.5	80.5	„	1.4		+	1		Above 10m.
6 „	.746	29.011	82.4	74.0	8.4	70.3	.68	81.4	80.3	„	1.5	None.	+	1		Above 10m.
7 „	·771	.011	81.5	74.4	7.1	71.4	.73	81.0	80.2	„	0.7		+	1		Above 10m.
8 „	.783	.027	80.5	74.3	6.2	71.2	.76	80.2	80.0	„	0.4					
9 „	.817	.018	80.0	75.0	5.0	73.0	.80	80.0	80.0	„	0.4					
10 „	.833	.027	79.4	75.0	4.4	73.2	.82	79.6	80.0	„	0.2		+	1		
11 „	.829	.019	79.0	75.0	4.0	73.3	.84	79.3	80.0	WNW	0.2		+	2		Above 10m.
Mar24th-Midnight	.826	28.970	78.4	76.0	2.4	75.1	.90	79.0	79.8	WNW	0.8		+	2		Above 10m.
1 a. m.	.827	29.004	77.8	75.0	2.8	73.8	.88	78.2	79.7	„	0.4		+	1		Above 10m.
2 „	.813	28.985	77.4	75.0	2.4	74.0	.91	78.0	79.6	„	0.5		+	1		Above 10m.
3 „	.800	.987	77.0	74.5	2.5	73.5	.89	77.5	79.6	NW b W	0.8		+	1		Above 10m.
4 „	.821	29.003	76.6	74.5	2.1	73.6	.91	77.2	79.5	N	0.0		+	1		Above 10m.
5 „	.840	.035	76.0	74.0	2.0	73.2	.92	77.0	79.4	„	0.0		+	2		Above 10m.
6 „	.865	.086	75.0	73.0	2.0	72.1	.92	76.1	79.2	N b W	0.0		+	12	10	2.05
7 „	·882	.148	76.4	72.2	4.2	70.3	.82	76.9	79.2	NW b N	0·0		+	Out of Sc.	29.	0.33
8 „	.900	.172	79.6	73.0	6.6	70.0	.74	78.3	79.4	N	0.0		+	12	12	1.54
9 „	.919	.109	82.5	76.0	6.5	73.3	.75	80.0	79.6	N b E	0.0		+	4		Above 10m.
10 „	.924	.091	84.0	77.0	7.0	74.2	.73	81·0	79.8	S b W	0·0		+	4		Above 10m.
11 „	.907	.144	85.0	75.5	9.5	71.5	.65	81.9	80.0	WNW	0·2		+	1		Above 10m.
Noon.	.879	.078	86.2	76.8	9.4	73.0	.66	82.9	80.2	W b N	0·4		+	2		Above 10m.
1 p. m.	.871	.025	87.2	78.2	9.0	74.7	.67	83.5	80.4	W b S	0.3	None.	+	1		Above 10m.
2 „	.856	28·953	87.0	79.5	7.5	76.7	.72	83.9	80.5	W	0·1		+	1		Above 10m.
3 „	.844	·946	87.5	79.5	8.0	76.6	.71	84.2	80.6	SW b W	0.1		+	1		Above 10m.
4 „	.827	.929	87.5	79.5	8.0	76.6	.71	84.5	80.8	SW	0.1		+	1		Above 10m.
5 „	.826	.943	85.4	78.6	6.8	76.0	.74	83.3	80.8	„	0.1					
6 „	·850	.972	82.4	77.7	4.7	75.9	.81	81.9	80.7	SW b S	0.1					
7 „	.872	29.003	80.7	77.0	3.7	75.5	.85	81.0	80.6	SSW	0.0					
8 „	.891	.016	80.2	77.0	3.2	75.8	.87	80.2	80.5	S b E	0·0					
9 „	.909	.030	79.8	77.0	2.8	75.9	.88	80.0	80.5	SSE	0.2					
10 „	.921	.040	79.6	77.0	2.6	76.0	.89	80.0	80.5	S b E	0.2					
11 „	.917	.050	79.1	76.5	2.6	75.5	.89	79.8	80.4	S	0.2		+	4		2.30
Mar.26th-Midnight	.897	.008	79.0	77.0	2.0	76.2	.92	79.7	80.6	SW	0.2					
1 a. m.	.893	.009	78.5	76.8	1.7	76.1	.93	79.1	80.5	„	0.0					
2 „	.871	.005	77.8	76.1	1.7	75.4	.93	78.2	80.4	WSW	0.0					
3 „	.860	.006	76.8	75.5	1.3	75.0	.94	78.0	80.3	S	0.0					
4 „	.852	28.984	77.6	76.1	1.5	75.5	.94	78.1	80.3	ESE	0.1					
5 „	.864	.993	77.0	76·0	1.0	75.6	.96	78.0	80.3	„	0.0					
6 „	.885	29.014	77.0	76.0	1.0	75.6	.96	77.9	80.2	„	0.0					
7 „	.898	.007	78.7	77.0	1.7	76.3	.93	79.0	80.2	SE b S	0.0					
8 „	.921	.040	80.4	77.2	3.2	76.0	.87	80.0	80.4	„	0.0					
9 „	.925	.030	82.0	78.0	4.0	76.5	.84	80.7	80.5	SE	0.0					
10 „	.920	.020	84.2	78.7	5.5	76.6	.79	81.9	80.5	W	0.1					
11 „	.901	28.976	85.0	79.5	5.5	77.5	.79	82.5	80.7	„	0.2	None.	None.	None.	None.	None.
Noon.	.875	.944	86.4	80.0	6.4	77.7	.76	83.5	81.0	„	0.2					
1 p. m.	.852	29.012	87.0	78.0	9.0	74.5	.67	84.0	81.0	WNW	0.3					
2 „	.825	28.966	88.3	78.8	9.5	75.2	.66	84.6	81.2	W b N	0.3					
3 „	.806	.977	88.0	78.0	10.0	74.1	.65	84.6	81.3	NW b W	0.5					
4 „	.794	.954	87.0	78.0	9.0	74.5	.67	84.4	81.4	WNW	0.5					
5 „	.783	.967	85.5	77.0	8.5	73.6	.69	83.8	81.5	NW	0.8					
6 „	.793	29.042	84.4	75.0	9.4	71.0	.64	83.0	81.4	WNW	0.6					
7 „	.817	.073	83.6	74.6	9.0	70.7	.67	82.6	81.3	NW b W	0.3					
8 „	.838	.033	83.0	76.0	7.0	73.2	.78	82.3	81.2	„	0.4					
9 „	.851	28.993	81.7	77.0	4.7	75.1	.81	81.5	81.0	„	0.8					
10 „	.861	.993	80.8	77.0	3.8	75.5	.85	80.7	81.0	NW	0.7					
11 „	.858	.988	80.6	77.0	3.6	75.6	.85	80.6	81.0	„	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩≀ cumuli; ⌣≀ cirro-strati; ∩≀ cumulo-strati; and ≀≀ nimbi.	
0	R	Clear.	
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	R	"	
0	R	"	
0	R	"	
0	R	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 79°4 and 81°4.
0	B	Clear; dew falling.	
0	B	A few ≀ in E above hor.; dew falling.	
0	B	" " "	
0	B	A few ≀ above S hor.; dew falling.	
0	C	A few ≀ above E and SE hor.; dew falling.	
0	C	Mist and fog in hor.	
0	C	" "	
0	C	" "	
0	R	" "	
0	R	Clear.	
0	R	"	
0	R	"	
0	B	"	
0	B	"	
0	B	"	
0	B	A few scuds in E hor.	
0	C	" "	
0	C	" "	
0	C	Clear.	
0	C	"	
0	C	"	
0	C	Clear; dew falling.	
0	C	" "	
4	R	Patches of ≀≀ and ≀ scattered about, moving ESE; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 79°8 and 81°6. Temperature of evaporation at noon was 80°0, greatest in the month, and about 4°1 greater than the Normal Mean.
3	B	≀ scattered about hor.; dew falling.	
2	B	" "	
1	B	≀ scattered in E and around hor.; dew falling.	
1	B	" " "	
1	C	≀≀ scattered around hor.; dew falling.	
4	C	≀≀ scattered about, moving SW.	
3	C	≀≀ scattered about, moving S; haze along E hor.	
1	C	≀≀ scattered around hor.; haze along E hor.	
1	R	≀ and ≀≀ scattered from NE to S hor., moving SE.	
0	R	A few ≀ in E hor.	
0	R	" "	
0	R	" "	
0	B	Clear.	
0	B	"	
0	B	"	
0	B	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	R	"	
0	R	"	
0	R	"	

Bombay Civil Time. 1860.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet-Bulb Thermometer.	Thermometers. Depression of Wet-Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge
	in.	in.									Lbs.	in.		Sc. div.	Sc. div.	m. s.
Mar.27th-Midnight	29.849	29.011	80°0	76°0	4°0	74°4	0.84	80°1	81°0	NW	0.1					
1 a. m.	.835	28.986	79.0	76.0	3.0	74.8	.88	79.2	80.9	NNW	0.1					
2 „	.827	29.042	78.5	74.2	4.3	72.4	.82	78.9	80.8	„	0.1					
3 „	.816	.057	78.5	73.5	5.0	71.3	.80	78.6	80.7	„	0.0					
4 „	.818	.054	78.0	73.5	4.5	71.5	.81	78.1	80.6	„	0.1					
5 „	.834	.061	77.6	73.6	4.0	71.9	.84	78.1	80.5	„	0.1					
6 „	.853	.063	77.4	74.0	3.4	72.6	.86	78.0	80.5	„	0.0					
7 „	.874	.060	80.0	75.4	4.6	73.5	.81	79.5	80.5	NW b N	0.0					
8 „	.901	.135	83.0	75.0	8.0	71.6	.70	80.8	80.6	„	0.2					
9 „	.904	.143	85.2	75.5	9.7	71.4	.65	82.0	80.9	NW	0.1					
10 „	.901	.146	87.5	76.0	11.5	71.2	.60	83.5	81.1	NW b W	0.1					
11 „	.876	.083	88.4	77.2	11.2	72.7	.61	84.5	81.4	WNW	0.2					
Noon.	.850	.043	90.0	78.0	12.0	73.2	.59	85.6	81.5	„	0.2	None.			None.	
1 p. m.	.825	.012	91.4	78.5	12.9	73.5	.57	86.5	81.8	NW	0.6					
2 „	.807	.017	91.5	78.0	13.5	72.6	.56	87.1	81.9	„	0.8		+	1		Above 10m.
3 „	.778	.070	91.8	76.0	15.8	69.2	.49	87.3	82.1	„	0.7					
4 „	.771	.052	90.8	76.0	14.8	69.7	.52	87.0	82.3	„	0.7		+	1		Above 10m.
5 „	.777	.119	89.4	74.0	15.4	66.9	.49	86.3	82.3	„	0.5		+	1		Above 10m.
6 „	.793	.109	87.0	74.0	13.0	68.1	.55	84.4	82.2	„	0.4		+	1		Above 10m.
7 „	.809	.065	85.0	75.0	10.0	70.7	.64	84.1	82.0	„	0.4		+	1		Above 10m.
8 „	.833	.012	82.6	76.3	6.3	73.8	.76	83.2	81.8	WNW	0.8		+	1		Above 10m.
9 „	.854	.001	81.4	76.8	4.6	75.0	.82	81.7	81.7	NW b W	0.5					
10 „	.862	.029	81.2	76.2	5.0	74.2	.80	81.3	81.7	NW	0.4					
11 „	.854	.064	80.8	75.0	5.8	72.6	.77	81.0	81.7	„	0.4					
Mar.28th-Midnight	.849	.076	80.7	74.5	6.2	71.9	.76	80.8	81.5	NW	0.0					
1 a. m.	.843	.135	79.8	72.5	7.3	69.2	.71	80.1	81.5	„	0.1					
2 „	.831	.068	79.8	74.0	5.8	71.5	.77	80.0	81.3	„	0.2					
3 „	.825	.039	79.5	74.5	5.0	72.4	.80	79.6	81.2	„	0.1					
4 „	.810	.004	79.4	75.0	4.4	73.2	.82	79.5	81.2	„	0.2					
5 „	.833	.036	78.1	74.4	3.7	72.9	.85	78.7	81.1	NNW	0.0					
6 „	.860	.068	77.2	74.0	3.2	72.7	.87	78.0	81.0	N b W	0.0					
7 „	.879	.141	78.7	73.0	5.7	70.5	.77	78.8	81.0	N	0.0					
8 „	.905	.211	82.7	73.0	9.7	68.6	.64	80.4	81.0	N b W	0.0					
9 „	.918	.302	85.8	71.8	14.0	65.0	.51	82.7	81.1	N b E	0.1					
10 „	.915	.289	87.2	72.5	14.7	65.4	.50	83.6	81.3	NW b W	0.2		+	1		Above 10m.
11 „	.890	.167	88.7	75.5	13.2	69.8	.55	85.0	81.5	„	0.6		+	1		Above 10m.
Noon.	.867	.157	89.1	75.3	13.8	69.3	.53	85.5	81.7	„	0.5	None.	+	2	None.	Above 10m.
1 p. m.	.851	.137	89.5	75.5	14.0	69.4	.53	85.9	81.9	NW b N	0.6		+	1		Above 10m.
2 „	.822	.075	89.0	76.5	12.5	70.8	.54	85.9	82.0	WNW	0.6		+	2		Above 10m.
3 „	.810	.013	88.8	77.4	11.4	72.9	.61	85.9	82.1	W b N	0.4		+	2		Above 10m.
4 „	.810	.049	88.4	76.4	12.0	71.4	.58	85.6	82.3	„	0.2					
5 „	.804	.003	86.2	76.8	9.4	73.0	.66	84.1	82.2	W	0.2		+	1		Above 10m.
6 „	.817	.016	83.4	76.0	7.4	73.0	.72	83.0	82.1	W b N	0.0					
7 „	.837	.034	81.8	75.6	6.2	73.1	.76	82.0	82.0	WNW	0.0					
8 „	.861	.069	80.6	75.0	5.6	72.7	.78	81.1	81.8	„	0.0					
9 „	.873	.067	79.4	75.0	4.4	73.2	.82	80.5	81.7	„	0.0					
10 „	.875	.062	78.7	75.0	3.7	73.5	.85	79.9	81.5	WSW	0.0					
11 „	.867	.063	77.9	74.5	3.4	73.1	.86	79.0	81.5	„	0.0					
Mar.29th-Midnight	.855	.039	77.8	74.8	3.0	73.7	.87	79.0	81.4	WSW	0.0					
1 a. m.	.842	.001	78.7	75.7	3.0	74.5	.88	79.1	81.3	W	0.1					
2 „	.824	.038	78.4	74.2	4.2	72.4	.83	79.0	81.2	W b N	0.2					
3 „	.817	.029	78.2	74.2	4.0	72.5	.83	78.9	81.1	WNW	0.1					
4 „	.825	.050	77.7	73.7	4.0	72.0	.83	78.2	81.0	NW b W	0.1					
5 „	.838	.072	76.2	73.0	3.2	71.6	.86	77.0	80.9	„	0.0	None.	None.	None.	None.	None.
6 „	.854	.084	75.8	73.0	2.8	71.8	.88	77.0	80.7	„	0.0					
7 „	.879	.066	78.7	75.0	3.7	73.5	.85	78.3	80.7	NW b N	0.0					
8 „	.903	.098	81.2	75.5	5.7	73.2	.77	80.0	80.9	„	0.0					
9 „	.911	.025	82.8	78.0	4.8	76.1	.81	81.0	81.0	NW b W	0.0					
10 „	.903	.087	83.8	76.5	7.3	73.6	.72	81.9	81.2	W b N	0.1					
11 „	.893	.073	85.2	77.0	8.2	73.7	.69	82.6	81.2	W	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≤≤ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩⌣ cumulo-strati; and ≤⌣ nimbi.	
0	R	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 80°4 and 82°2. Temperature of Air at 3 P. M. was 91°8, greatest in the month, and about 6°2 greater than the Normal Mean.
0	B	Clear; dew falling.	
0	B	A few patches of ≤ in E hor.; dew falling.	
0	B	" " "	
1	B	≤ scattered in E; dew falling.	
0	C	Clear; dew falling.	
0	C	Haze along E hor.	
0	C	" "	
0	C	" "	
0	R	" "	
0	R	" "	
0	R	Clear.	
0	R	"	
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	R	"	
0	R	"	
0	R	"	
0	R	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 80°6 and 82°2.
0	B	"	
0	B	"	
0	B	A few ≤ in E of zth.	
0	B	" "	
0	C	Clear; dew falling.	
0	C	" "	
0	C	Haze along E hor.	
0	C	" "	
0	R	" "	
0	R	" "	
0	R	Clear.	
0	R	"	
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	R	"	
0	R	Clear; dew falling.	
0	R	" "	
0	R	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 80°9 and 82°3.
0	B	" "	
0	B	Clear.	
0	B	"	
0	B	"	
0	C	"	
0	C	"	
0	C	Haze along E hor.	
1	C	" "	
1	R	" "	
2	R	" "	
2	R	Clear.	

Bombay Civil Time. 1860.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer fixed in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.				
Mar 29th–Noon.	29.871	29.060	86°0	77°0	9°0	73°4	0.67	83°2	81°5		0.1					
1 p.m.	.850	.010	87.0	78.0	9.0	74.5	.67	83.5	81.6	,,	0.1					
2 ,,	.828	28.988	87.0	78.0	9.0	74.5	.67	84.0	81.6	,,	0·2					
3 ,,	.820	.984	87.4	78.0	9.4	74.3	.67	84.6	81.7	,,	0.3					
4 ,,	.817	.973	86.6	78.0	8.6	74.6	.69	84.2	81.9	WNW	0.3					
5 ,,	.816	.983	84.0	77.0	7.0	74.2	.73	83.0	81.8	,,	0.4					
6 ,,	.827	.962	82.9	77.0	5.9	75.0	.80	82.0	81.7	,,	0.2					
7 ,,	.843	29.013	80.7	76.0	4.7	74.1	.81	81.0	81.5	NW b W	0.3					
8 ,,	.858	.014	80.2	76.2	4.0	74.6	.84	80.6	81.5	WNW	0·3					
9 ,,	.874	.038	79.4	75.8	3.6	74.3	.85	80.0	81.4	,,	0.1					
10 ,,	.877	.039	78.6	75.6	3.0	74.4	.88	79.6	81.4	,,	0.1					
11 ,,	.869	.050	78.2	75.0	3.2	73.7	.87	79.0	81.3	,,	0.0					
Mar 30th–Midnight	.861	.065	76.8	74.0	2.8	72.8	.88	78.4	81.1	WNW	0.0					
1 a. m.	.859	.052	76.8	74.3	2.5	73.2	.89	78.0	80.9	,,	0.0					
2 ,,	.842	.052	76.3	73.8	2.5	72.6	.89	77.4	80.7	,,	0.0					
3 ,,	.835	.051	76.2	73.5	2.7	72.3	.88	77.2	80.7	,,	0.0					
4 ,,	.829	.051	75.8	73.3	2.5	72.0	.89	77.1	80.6	,,	0.0					
5 ,,	.840	.089	74.7	72.1	2.6	71.0	.89	76.0	80.4	,,	0.0					
6 ,,	.858	.116	75.0	72.0	3.0	70.6	.87	76.1	80.3	,,	0.0					
7 ,,	.874	.084	78.0	74.2	3.8	72.6	.84	77.8	80.4	,,	0.0		+	1		Above 10m.
8 ,,	.888	.103	81.3	75.0	6.3	72.4	.75	79.7	80.5	NW	0.1					
9 ,,	.904	.058	82.8	77.0	5.8	74.7	.77	80.9	80·6	WNW	0.1					
10 ,,	.902	.069	84.0	77.0	7.0	74.2	.73	81.8	80.9	,,	0.2					
11 ,,	.883	.038	84.8	77.5	7.3	74.7	.73	82.4	81.0	NW b W	0.3					
Noon.	.859	.001	85.4	78.0	7.4	75.1	.72	83.0	81.1	,,	0.5					
1 p. m.	.831	28.964	86.0	78.4	7.6	75.5	.72	83.4	81.3	NW b N	1.6					
2 ,,	.816	.946	86.2	78.5	7.7	75.6	.72	83.9	81.4	NW	1.5					
3 ,,	.791	.965	86.5	77.5	9.0	74.0	.67	84.1	81.5	,,	1·3					
4 ,,	.787	29.018	86.3	76.0	10.3	71.6	.63	84.1	81.6	,,	1.4		+	1		Above 10m.
5 ,,	.787	.040	85.1	75.1	10.0	70.8	.64	83.9	81.5	,,	1.0					
6 ,,	.800	.076	83.4	74.0	9.4	69.9	.65	82.3	81.5	,,	0.7					
7 ,,	.818	.078	82.6	74.2	8.4	70.5	.68	81.8	81.4	WNW	0.6					
8 ,,	.828	.033	81.3	75.4	6.4	72.8	.75	81.4	81.2	NW	1.2					
9 ,,	.839	.034	81.2	75.5	5.7	73.2	.77	81.0	81.0	NW b W	0.5		+	1		Above 10m.
10 ,,	.842	.010	80.5	76.0	4.5	74.2	.82	80.5	81.4	NW	0.8			3		Above 10m.
11 ,,	.833	28.992	79.7	76.0	3.7	74.5	.85	80.0	81.3	,,	1.5			1		Above 10m.
Mar 31st–Midnight	.826	.992	79.3	75.7	3.6	74.3	.85	79.7	81.2	NW	1.5					
1 a. m.	.817	29.080	79.7	73.3	6.4	70.4	.75	79.4	81.1	,,	1.0					
2 ,,	.803	.072	79.4	73.0	6.4	70.2	.74	79.3	81.0	,,	0.8					
3 ,,	.796	28.986	79.0	75.0	4.0	73.3	.84	79.1	81.0	,,	0.2					
4 ,,	.803	29.011	77.2	74.0	3.2	72.7	.87	78.1	80.8	NNW	0·2					
5 ,,	.823	.062	76.6	73.0	3.6	71.4	.85	77.8	80.8	,,	0.1					
6 ,,	.835	.173	75.8	70.0	5.8	67.1	.75	77.3	80.6	N	0·0					
7 ,,	.856	.103	79.0	73.5	5.5	71.1	.78	78.4	80.6	N b E	0.0					
8 ,,	.876	.126	81.7	74.2	7.5	71.0	.71	80.0	80.7	NNE	0.0					
9 ,,	.872	.175	84.8	73.7	11.1	68.7	.60	82.0	81.0	N	0.0		+	1		Above 10m.
10 ,,	.866	.175	86.4	74.0	12.4	68.4	.56	83.0	81.2	NW	0.2					
11 ,,	.855	.100	87.5	76.0	11.5	71.2	.60	84.0	81.4	NW b W	0·2					
Noon.	.831	.027	88.5	77.5	11.0	73.1	.62	85.0	81.5	,,	0.5					
1 p. m.	.816	28.993	88.5	78.0	10.5	73.8	.63	85.2	81.6	WNW	0.8					
2 ,,	.791	.991	88.4	77.4	11.0	73.0	.61	85.0	81.8	NW b W	1.0					
3 ,,	.767	.976	87.8	77.0	10.8	72.6	.62	85.0	81.9	,,	1.0					
4 ,,	.764	.962	86.8	77.0	9.8	73.0	.65	84.7	81.9	,,	0.8					
5 ,,	.757	.983	84.8	75.7	9.1	71.9	.66	83.6	81.7	,,	1.5					
6 ,,	.767	.981	82.6	75.4	7.2	72.4	.73	82.0	81.6	,,	1.4					
7 ,,	.790	29.000	81.6	75.2	6.4	72.6	.75	81.4	81.4	,,	0·8					
8 ,,	.811	.024	80·7	74.9	5 8	72.5	.77	81.0	81.3	,,	0.5					
9 ,,	.819	·021	80.8	75.2	5.6	72.9	.78	81.0	81.2	,,	0.7					
10 ,,	.821	.020	80.2	75.4	4.8	73.0	.81	80.4	81.1	WNW	0.8					
11 ,,	.811	.028	79.8	74.5	5.3	72.3	.79	80.0	81.0	NW b W	0.6					

Amount of Clouds 0—6.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are : ∿ cirri ; ∿∿ cirro-cumuli ; ⌒ cumuli ; ⌒ cirro-strati ; ⌒ cumulo-strati ; and ⌒ nimbi.	
0	R	Clear.	
0	B	,,	
0	B	,,	
0	B	,,	
0	B	,,	
0	C	,,	
0	C	,,	
0	C	,,	
0	R	,,	
0	C	,,	
0	R	Clear; dew falling.	
0	R	,, ,,	
0	R	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°1 and 82°3.
0	B	,, ,,	
0	B	,, ,,	
0	B	,, ,,	
0	B	,, ,,	
0	C	,, ,,	
0	C	,, ,,	
0	C	Haze along E hor.	
0	C	,, ,,	
0	R	,, ,,	
0	R	,, ,,	
0	R	Clear.	
0	R	,,	
0	B	,,	
0	B	,,	
0	B	,,	
0	B	,,	
0	C	,,	
0	C	,,	
0	C	,,	
0	C	,,	
0	R	,,	
0	R	,,	
0	R	,,	
0	R	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 81°3 and 82°1.
0	B	,,	
0	B	,,	
0	B	,,	
0	B	Clear; dew falling.	
0	C	,, ,,	
0	C	Haze along E hor.	
0	C	,, ,,	
0	C	,, ,,	
0	R	,, ,,	
0	R	,, ,,	
0	R	,, ,,	
0	R	Clear.	
0	B	,,	
0	B	,,	
0	B	,,	
0	B	,,	
0	C	,,	
0	C	,,	
0	C	,,	
0	C	,,	
0	C	,,	
0	C	,,	
0	C	,,	

Bombay Civil Time. 1860.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Apr. 2nd-Midnight	29.823	29.015	79°2	75°0	4°2	73°3	0.83	79°4	80°6	NW b N	0.4					
1 a. m.	.803	28.992	78.9	75.0	3.9	73.4	.84	79.1	80.5	„	0·1					
2 „	.792	29.007	76.8	73.7	3.1	72.4	.87	78.0	81.0	N	0·1					
3 „	.783	28.985	76.6	74.0	2.6	72.9	.89	77.5	80.8	N b E	0.0					
4 „	.791	.998	76.4	73.8	2.6	72.7	.89	77.5	80.7	„	0.0					
5 „	.812	29.044	76.0	73.0	3.0	71.7	.87	77.1	80.6	„	0.0					
6 „	.840	.089	75·2	72.3	2.9	71.0	.87	76.3	80.4	„	0.0					
7 „	.870	.060	79.0	75.0	4.0	73.3	.84	78.2	80.4	NE	0.0					
8 „	.889	.101	81.0	75.0	6.0	72.5	.76	79.2	80.6	ENE	0·1					
9 „	.907	.106	83.0	75.9	7.1	73.0	.73	80.9	80.8	WSW	0.0					
10 „	.905	.091	84.3	76.6	7.7	73.5	.71	81.8	81.0	„	0.0					
11 „	.894	.096	85.4	76.5	8.9	72.9	.67	83.4	81.3	NW	0.1	None.	+	1	None.	Above 10m.
Noon.	.867	.111	86.7	75.8	10.9	71.2	.61	84.0	81.4	W b N	0·2		+	1		Above 10m.
1 p. m.	.834	28.958	87.5	79.0	8.5	75.8	.69	84.0	81.5	WNW	0.4		+	1		Above 10m.
2 „	.799	29.085	87.7	75.0	12.7	69.4	.56	84·9	81.5	„	0·2		+	1		Above 10m.
3 „	.783	.151	88.3	73.0	15.3	65.7	.49	85.0	81.7	„	0·5		+	1		Above 10m.
4 „	.773	.055	87.4	75.0	12.4	69.6	.57	84.9	81.7	„	0·5		+	1		Above 10m.
5 „	.793	.118	84.4	73.0	11.4	67.7	.59	83.2	81.6	„	0·5		+	1		Above 10m.
6 „	.808	.080	82.3	73.8	8.5	70.0	.68	81.9	81.6	„	0·4		+	1		Above 10m.
7 „	.821	.073	81.2	74.0	7.2	70.9	.72	81.1	81·5	„	0.3		+	1		Above 10m.
8 „	.842	.090	80.8	74.0	6.8	71.0	.73	80.8	81.4	„	0.4					
9 „	.856	.020	80.2	76.0	4.2	74.3	.83	80.4	81.3	„	0.1					
10 „	.858	.013	79.4	76.0	3.4	74.7	.86	79.8	81.2	„	0.1					
11 „	.849	28.998	78.8	76.0	2.8	74.9	.88	79.4	81.0	„	0.1					
Apr. 3rd-Midnight	.835	.965	78.5	76.4	2·1	75.7	.91	78.2	81.0	WNW	0.3					
1 a. m.	.807	·947	78.0	76.0	2.0	75.2	.92	79.0	81.0	NW b W	1.0					
2 „	·800	.995	77.8	74.5	3.3	73.2	.86	78.5	81.0	„	0.4					
3 „	.805	.989	77.4	74.7	3.7	73.6	.89	78.4	81.0	„	0.1					
4 „	.807	29.011	76.8	74.0	2.8	72.8	.88	78.0	80.9	NW b N	0.1					
5 „	·836	.058	75.6	73.2	2.4	72.1	.90	77.0	80·7	„	0.0					
6 „	.855	.078	75.2	73.0	2.2	72.0	.91	76.3	80.6	NNW	0.1					
7 „	·864	.076	78.2	74.2	4.0	72.5	.83	78.0	80.6	N	0.1					
8 „	.895	.100	80.4	75.0	5.4	72.8	.78	79.5	80.6	NW b W	0.1					
9 „	.902	.097	83.0	76.0	7.0	73.2	.73	81.1	80.8	„	0.0					
10 „	.905	.068	83.6	77.0	6.6	74.4	.75	81.5	81.0	SW b S	0·1					
11 „	.887	.040	86.2	77.7	7.5	74.2	.72	82.5	81.2	„	0·1	None.	+	1	None.	Above 10m.
Noon.	.869	.018	86.0	78.0	8.0	74.9	.70	83.2	81.4	W	0.1		+	1		Above 10m.
1 p. m.	.833	28·978	86.4	78.2	8.2	75.0	.70	83.4	81.5	W b S	0.2					
2 „	·806	.938	86.8	78.6	8.2	75.5	.70	84.0	81.6	„	0.3					
3 „	.784	.936	86.3	78.0	8.3	74.8	.69	84.0	81.7	W	0.6					
4 „	.782	.929	85.4	77.9	7.5	75.0	.72	83·9	81.7	„	0.3					
5 „	·794	.954	83.4	77.0	6.4	74.5	.75	82.4	81.6	„	0.5					
6 „	.815	.990	81.2	76.0	5.2	73.9	.79	81.0	81.6	W b N	0·2					
7 „	.835	29.027	80.0	75.2	4.8	73.3	.81	80.2	81.4	W	0·3					
8 „	.859	.052	79.7	75.0	4.7	73.2	.82	79.8	81.3	W b N	0·4					
9 „	.877	.064	78.7	75.0	3.7	73.5	.85	79.3	81.2	„	0·1					
10 „	.867	.038	78.5	74.3	4.2	71.7	.83	78.8	81.1	„	0.0					
11 „	.853	.043	77.3	74.5	2.8	73.3	.88	78.4	81.0	W b S	0·0					
Apr. 4th-Midnight	.831	29.003	77.4	75.0	2.4	74.0	.90	78.3	80.9	S b E	0.0					
1 a. m.	.820	28.989	77.1	75.0	2.1	74.1	.91	78.3	80.9	„	0.0					
2 „	.810	29.017	77.1	74.0	3.1	72.7	.87	78.0	80.9	„	0.0					
3 „	.800	.012	77.5	74.0	3.5	72.5	.85	78.2	80.8	WSW	0.1					
4 „	.807	.045	77.2	73.2	4.0	71.4	.83	78.0	80.7	„	0.1					
5 „	.823	.066	77.0	73.0	4.0	71.2	.83	77.2	80.6	W b S	0.1					
6 „	.840	.078	76.5	73.0	3.5	71.4	.85	77.2	80.6	W b N	0.1	None.	None.	None.	None.	None.
7 „	.862	.094	78.7	73.8	4.9	71.7	.80	78.1	80.5	„	0.1					
8 „	.879	.107	80.5	74.5	6.3	71.8	.75	79.2	80.6	„	0·1					
9 „	.888	.076	83.4	76.3	7.1	73.4	.73	81.0	80.9	NW b W	0·1					
10 „	.892	.091	83.4	76.0	7.4	73.0	.72	81.2	81.0	„	0.1					
11 „	.890	.105	84.8	76.0	8.8	72.4	.68	82.0	81.1	SSE	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Nota.—In recording these Observations, the Symbols used to denote the clouds are: Ci cirri; Cc cirro-cumuli; Cu cumuli; Cs cirro-strati; Csc cumulo-strati; and Cb cumbi.	
0	C	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 81°4 and 82°0. A sudden rise in Wet Bulb Thermometer at 1 h. P. M.
0	R	"	
0	R	Clear; dew falling.	
0	R	A few Ci E of zth.; dew falling.	
0	R	" "	
0	B	" "	
0	B	Haze along E hor.	
0	B	"	
0	B	" "	
0	C	" "	
0	C	" "	
0	C	Clear.	
0	C	"	
0	R	"	
0	R	"	
0	R	"	
0	R	"	
0	B	"	
0	B	A few Ci along E hor.	
0	B	" "	
0	B	Clear.	
0	C	"	
0	C	"	
0	C	A few pieces of clouds above NW hor.	
1	C	Fleecy clouds scattered above W and NW hor., moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 81°6 and 82°0.
1	R	" " "	
0	R	Clear, except in hor.	
1	R	Ci scattered above E and W hor.	
0	R	A few Ci in E of zth.; dew falling.	
1	B	Ci scattered along E hor.; dew falling.	
3	B	A few pieces of Cc in W; Ci scattered around hor.	
1	B	A few pieces of Cc in S hor.; Ci scattered around hor.; mist and fog in hor.	
0	B	A few pieces of Cc in S and W hor.; Ci above NW hor.; mist and fog in hor.	
0	C	A few Ci in S and W hor.	
1	R	Ci scattered in E, moving SE; a few pieces of Cc in W hor.	
0	R	A few pieces of Cc in W hor.	
0	C	A few pieces of Cc in W hor.; a few Ci in S, above hor.	
0	C	A few pieces of Cc in W hor.; a few Ci in E, above hor.	
0	C	A few pieces of Cc in W hor.	
0	R	" "	
0	R	A few Ci in E; otherwise cloudless.	
0	B	" "	
0	B	" "	
0	B	Clear, except in hor.	
0	B	A few pieces of Cc in E and N.	
3	C	Cc scattered about, moving ESE.	
1	C	Cc scattered around hor.; dew falling.	
0	C	Clear; dew falling.	
0	C	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°6 and 82°0.
4	R	Cc scattered about, moving NNE; dew falling.	
7	R	Dense Cc scattered throughout, moving E; dew falling.	
7	R	" " "	
4	R	Dense Cc scattered about, moving E.	
4	B	Dense Cc scattered about, moving SE.	
3	B	" "	
2	B	Dense Cc scattered about hor., moving SE.	
2	B	" " "	
4	C	Dense Cc scattered about, moving SE.	
4	C	" " "	
4	C	Cc scattered about, moving E.	

Bombay Civil Time. 1860.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Apr. 4th-Noon.	29 875	29.094	85°2	76°0	9°2	72°2	0.66	82°6	81.3	SW b S	0.1					
1 p. m.	.837	.069	86.4	76.0	10.4	71.7	.63	83.2	81.4	,,	0.1					
2 ,,	.818	.059	87.2	76.0	11.2	71.3	.60	83.9	81·5	S W b W	0.1					
3 ,,	.799	.035	87.1	76.1	11.0	71.5	.61	84.0	81.6	WSW	0.1		+	1		Above 10m.
4 ,,	.788	.023	86.5	76.0	10.5	71.6	.63	84.0	81.7	,,	0.1		+	1		Above 10m.
5 ,,	.797	.042	84.0	75.0	9.0	71.2	.67	82.8	81.6	W	0·1		+	1		Above 10m.
6 ,,	.812	.069	81.4	74.2	7.2	71.1	.72	81.2	81.5	,,	0.1	None.	+	1	None.	Above 10m.
7 ,,	.832	.090	80.2	73.6	6.6	70.6	.73	80.2	81.4	,,	0.1		+	2		Above 10m.
8 ,,	.838	.083	79.2	73.6	5.6	71.2	.77	79.6	81.2	W b N	0·1					
9 ,,	.847	.101	78.0	73.0	5.0	70.8	.79	79.1	81.2	,,	0.0		+	1		Above 10m.
10 ,,	.849	.092	77.0	73.0	4.0	71.2	.83	78.3	81.0	,,	0.0		+	1		Above 10m.
11 ,,	.837	.078	76.8	73.0	3.8	71.3	.84	78.1	81.0	WSW	0.0		+	1		Above 10m.
Apr. 5th-Midnight	.831	.070	76.6	73.0	3.6	71.4	.85	77.8	80.9	S	0.0					
1 a. m.	.820	.054	76.2	73.0	3.2	71.6	.86	77.5	80.7	S b E	0·0					
2 ,,	.808	.038	75.8	73.0	2.8	71.8	.88	77.0	80.5	,,	0.0					
3 ,,	.809	.041	75.6	72.9	2.7	71.7	.88	77.0	80.4	,,	0.0					
4 ,,	.817	.069	75.5	72.3	3.2	70.9	.86	77.0	80.4	S	0.0					
5 ,,	.838	.117	75.3	71.5	3.8	69.7	.84	76.2	80.3	,,	0.0		•			
6 ,,	.859	.149	74.6	71.0	2.6	69.3	.84	75.9	80.2	,,	0.0					
7 ,,	.883	.121	78.2	73.5	4.7	71.4	.81	77.5	80.2	E b S	0.1					
8 ,,	.899	.094	80.2	75.2	5.0	73.2	.80	79.2	80.3	E	0.1					
9 ,,	.907	.130	82.0	75.0	7.0	72.0	.73	80.0	80.5	,,	0.1					
10 ,,	.912	.152	83.2	74.9	8.3	71.4	.69	80.9	80.7	S b W	0·0					
11 ,,	.904	.157	84.7	75.0	9.7	70.8	.65	81.3	80.8	S b E	0·0	None.			None.	
Noon.	.881	.139	85.2	75.0	10.2	70.6	.63	82.0	81.0	WSW	0.0					
1 p. m.	.851	.081	86.2	76.0	10.2	71.8	.63	83.0	81.1	,,	0.0					
2 ,,	.815	.046	86.3	76.0	10.3	71.7	.63	83.3	81.1	W	0·1					
3 ,,	.799	.030	86.3	76.0	10.3	71.7	.63	83.6	81.4	W b N	0.1		+	1		Above 10m.
4 ,,	.788	.035	85.0	76.0	9.0	72.3	.67	82.4	81.5	,,	0.1		+	1		Above 10m.
5 ,,	.796	.020	82.8	75.2	7.6	72.0	.71	82.2	81.5	WNW	0.2		+	2		Above 10m.
6 ,,	.803	.011	80.6	75.0	5.6	72.7	.78	80.7	81.4	,,	0.1		+	1		Above 10m.
7 ,,	.818	.044	79.4	74.2	5.2	71.9	.79	79.9	81.2	,,	0.1		+	1		Above 10m.
8 ,,	.829	.055	78.8	74.0	4.8	71.9	.80	79.2	81.0	,,	0.1		+	1		Above 10m.
9 ,,	.842	.063	78.4	74.0	4.4	72.1	.82	79.0	80.7	,,	0.1		+	1		Above 10m.
10 ,,	.856	.077	78.4	74.0	4.4	72.1	.82	78.8	80.8	,,	0.1					
11 ,,	.854	.099	77.2	73.0	4.2	71.2	.82	78.1	80.7	,,	0.0					
Apr. 7th-Midnight	.844	.052	77.2	74.0	3.2	72.7	.87	78.0	80.5	NW b W	0.4		+	10	8	2.25
1 a. m.	.831	.055	76.6	73.4	3.2	72.0	.87	77.5	80.4	NW	0.1		+	14	12	5.10
2 ,,	.814	.025	75.8	73.5	2.3	72.6	.90	76.9	80.3	NW b N	0.0		+	Out of Sc.	25	1.00
3 ,,	.801	.022	75.0	73.0	2.0	72.1	.91	76.2	80.1	NNW	0.0		+	7	5	3.25
4 ,,	.806	.012	74.9	73.4	1.5	72.8	.95	76.1	80.0	,,	0.0		+	2		Above 10m.
5 ,,	.821	.038	74.6	73.0	1.6	72.3	.93	75.7	79.9	,,	0.0		+	3		3.18
6 ,,	.839	.056	74.6	73.0	1.6	72.3	.93	75.6	79.8	,,	0.0		+	7	6	2.48
7 ,,	.855	.073	76.0	73.4	2.6	72.2	.89	76.2	79.8	,,	0·1		+	8	6	0.56
8 ,,	.871	.061	79.0	75.0	4.0	73.3	.84	78.1	79.9	N b W	0.1		+	4		1.16
9 ,,	.863	.052	82.0	76.0	6.0	73.6	.77	80.0	80.2	NNW	0.1					
10 ,,	.857	.035	83.2	76.5	6.7	73.8	.74	81.0	80.5	WNW	0.2	None.	+	1		Above 10m.
11 ,,	.843	.047	83.8	76.0	7.8	72.8	.71	81.5	80.5	NW b W	0.4		+	2		Above 10m.
Noon.	.824	28.991	84.7	77.2	7.5	74.2	.72	82.0	80.6	WNW	0.3		+	1		Above 10m.
1 p. m.	.800	.951	86.2	78.0	8.2	74.8	.70	83.0	80.8	NW b W	0.7		+	1		Above 10m.
2 ,,	.774	.923	86.0	78.0	8.0	74.9	.70	83.0	81.0	WNW	0.5		+	1		Above 10m.
3 ,,	.757	.928	85.5	77.3	8.2	74.1	.70	83.1	81.1	NW b W	0·8		+	1		Above 10m.
4 ,,	.753	.904	85.4	77.8	7.6	74.8	.72	83.0	81.1	,,	0.6		+	1		Above 10m.
5 ,,	.757	.998	83.6	75.0	8.6	71.3	.68	82.4	81.2	,,	0.6		+	1		Above 10m.
6 ,,	.772	29.011	81.4	74.4	7.0	71.4	.73	81.0	81.0	WNW	0.5		+	1		Above 10m.
7 ,,	.785	.038	80.0	73.6	6.4	70.8	.75	80.3	81.0	,,	0.4		+	1		Above 10m.
8 ,,	.805	.002	79.6	75.0	4.6	73.1	.81	79.7	80.8	W b N	0·5		+	2		Above 10m.
9 ,,	.819	28.990	79.1	75.5	3.6	74.1	.86	79.6	80.7	WNW	0.5		+	2		Above 10m.
10 ,,	.827	.995	78.8	75.5	3.3	74.2	.86	79.0	80.7	,,	0.6		+	2		Above 10m.
11 ,,	.828	.991	78.3	75.5	2.8	74.4	.88	78.9	80.6	NW b W	0·2		+	2		Above 10m.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ∪ cirro-strati; ∩∪ cumulo-strati; and ∩∪ nimbi.	
3	C	≀≀ scattered about, moving ENE.	
3	R	≀≀ along W hor., moving N; ≀ scattered along E hor.	
4	R	≀≀ along W hor.; ≀ scattered about, moving ENE.	
3	R	≀ along E hor.; ≀≀ scattered about, moving ENE.	
3	R	≀≀ scattered about, moving ENE.	
1	B	≀≀ scattered about hor.; moving ESE.	
1	B	" " "	
1	B	" " "	
0	B	A few pieces of clouds along E hor.	
0	C	Clear, except in hor.	
0	C	Clear; dew falling.	
0	C	" "	
0	C	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°5 and 82°0. At 6 A. M. the temperatures of Air and evaporation were respectively 74°6 and 71°0, lowest in the month; the former was about 1°2 lower than the Normal Mean and the latter about 2°1 lower than the Normal Mean.
0	R	" "	
4	R	≀≀ scattered about, moving ENE; dew falling.	
5	R	" " "	
5	R	≀≀ scattered about, moving E; dew falling.	
3	B	" " "	
3	B	≀≀ scattered about hor., moving E.	
4	B	≀≀ scattered about, moving E.	
4	B	≀≀ scattered about, moving ENE.	
4	C	≀≀ scattered about, moving NE.	
3	C	≀ along E hor.; ≀≀ scattered about, moving NE.	
2	C	≀ along E hor.; ≀≀ scattered all round hor., moving NE.	
2	C	" " "	
2	R	≀ scattered along E and W hor.	
1	R	" "	
1	R	≀ scattered from NW to SE hor.	
1	R	≀ scattered along E and W hor.	
1	B	" "	
2	B	" "	
2	B	" "	
0	B	A few ≀ in hor.	
0	B	Clear; except in hor.	
0	B	A few scattered about, moving ESE.	
0	B	" "	
3	C	≀ scattered around hor.	Mean daily temperature of ground 20 and 60 inches below its surface 81°5 and 82°0.
2	R	" "	
2	R	≀ scattered about, moving SSE; dew falling.	
3	R	≀≀ in hor. and ≀ scattered about, moving SE; dew falling.	
3	R.	≀≀ in hor. and ≀ scattered about, moving SSE; dew falling.	
2	B	≀≀ scattered about hor.; dew falling.	
2	B	" " "	
2	B	≀≀ scattered around hor.; mist along W hor.	
1	B	Pieces of ≀≀ scattered about, moving SSE; mist along W hor.	
1	R	≀≀ in hor.; ≀ scattered here and there; mist along W hor.	
1	R	≀ scattered about; mist along W hor.	
0	R	A few ≀ in N and E hor.	
0	R	" "	
0	C	" "	
0	C	≀ scattered along E hor.	
1	C	≀ scattered around hor., except in W.	
2	C	" "	
2	R	" "	
5	R	≀ scattered about, moving E.	
2	R	≀ scattered here and there.	
2	R	≀ scattered from NW to SE hor.	
1	R	≀ scattered along E hor.	
2	R	≀ scattered around hor.	
3	R	≀ scattered about, moving E.	

Bombay Civil Time. 1860.	Standard Barometer.		Thermometers.			Deduced Dew-Point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Apr. 9th-Midnight	29.795	28.942	78°6	76°0	2°6	75°0	0.89	79°1	80°6	NW b W	0.2					
1 a. m.	.791	.973	78.3	75.0	3.3	73.6	.87	78.8	80.7	NW	0.0					
2 „	.775	.970	77.4	74.4	3.0	73.2	.87	78.1	80.6	„	0.0					
3 „	.756	.957	76.5	74.0	2.5	73.0	.89	77.5	80.6	„	0.0					
4 „	.758	.967	76.0	73.6	2.4	72.6	.90	77.2	80.4	„	0.0					
5 „	.769	.978	76.0	73.6	2.4	72.6	.90	77.0	80.3	„	0.0					
6 „	.781	.990	75.6	73.5	2.1	72.6	.91	76.5	80.2	NNW	0.0					
7 „	.803	.979	76.7	74.7	2.0	73.9	.91	77.2	80.2	„	0.0		+	10	8	1.16
8 „	.810	.979	80.6	76.0	4.6	74.1	.82	79.0	80.4	NNE	0.1		+	3		4.28
9 „	.807	.991	82.0	76.0	6.0	73.6	.77	80.0	80.5	N b W	0.0					
10 „	.805	.994	83.2	76.2	7.0	73.4	.73	81.0	80.7	W b N	0.1					
11 „	.786	.957	84.4	77.0	7.4	74.1	.72	81.8	80.9	„	0.1					
Noon.	.756	.911	84.8	77.5	7.3	74.7	.73	82.1	81.0	„	0.1	None.				
1 p. m.	.718	.884	86.8	77.8	9.0	74.3	.67	84.0	81.2	W	0.4					
2 „	.686	.800	87.4	79.2	8.2	76.1	.70	84.6	81.5	„	0.5					
3 „	.672	.790	87.0	79.0	8.0	66.0	.71	84.2	81.6	W b N	0.3					
4 „	.659	.787	86.0	78.5	7.5	65.6	.72	83.9	81.6	„	0.4					
5 „	.661	.784	83.6	78.0	5.6	75.8	.78	82.9	81.6	„	0.3					
6 „	.665	.805	81.5	77.0	4.5	75.2	.82	81.5	81.4	„	0.6					
7 „	.683	.803	80.5	77.2	3.3	75.9	.87	80.5	81.2	„	0.7					
8 „	.695	.818	80.0	77.0	3.0	75.8	.88	80.3	81.2	NW b W	0.1					
9 „	.723	.870	79.4	76.2	3.2	75.0	.87	80.0	81.1	„	0.0					
10 „	.744	.888	78.4	76.0	2.4	75.1	.90	79.3	81.0	„	0.0					
11 „	.745	.906	77.8	75.4	2.4	74.4	.90	79.0	80.9	„	0.0					
Apr. 10th-Midnight	.736	.895	77.6	75.4	2.2	74.5	.91	78.7	81.0	WSW	0.0					
1 a. m.	.728	.916	77.4	74.6	2.8	73.4	.88	79.0	81.0	SW	0.0					
2 „	.708	.884	76.7	74.7	2.0	73.9	.92	78.0	80.7	S	0.0					
3 „	.711	.853	77.4	75.8	1.6	75.1	.93	78.2	80.5	SSE	0.1					
4 „	.714	.871	77.4	75.4	2.0	74.6	.92	78.4	80.5	„	0.0					
5 „	.729	.891	77.2	75.2	2.0	74.4	.92	78.0	80.5	„	0.0					
6 „	.750	.880	77.1	76.0	1.1	75.7	.95	77.6	80.5	„	0.1					
7 „	.769	.907	78.6	76.2	2.4	75.3	.90	78.8	80.6	W	0.0					
8 „	.793	.933	81.5	77.0	4.5	75.2	.82	80.2	80.8	SW	0.1					
9 „	.797	.934	84.2	77.8	6.4	75.3	.76	82.0	81.0	S	0.1					
10 „	.792	.924	85.2	78.2	7.0	75.5	.74	82.2	81.2	SSW	0.2					
11 „	.781	.932	86.2	78.0	8.2	74.8	.70	83.0	81.3	SW b W	0.1					
Noon.	.750	.871	87.3	79.0	8.3	75.9	.70	84.0	81.5	WSW	0.1	None.	None.	None.	None.	None.
1 p. m.	.727	.856	88.0	79.0	9.0	75.6	.68	85.0	81.7	W b S	0.2					
2 „	.698	.808	88.6	79.6	9.0	76.3	.68	85.8	81.9	WSW	0.3					
3 „	.674	.773	88.6	79.8	8.8	76.7	.69	85.9	82.0	W b S	0.4					
4 „	.671	.775	87.3	79.5	7.8	76.5	.71	85.3	82.1	„	0.4					
5 „	.685	.783	85.2	79.0	6.2	76.7	.76	84.0	82.1	„	0.3					
6 „	.696	.812	83.0	78.0	5.0	76.1	.80	82.5	82.0	W	0.2					
7 „	.712	.812	81.5	78.0	3.5	76.6	.86	81.5	81.8	„	0.1					
8 „	.731	.841	81.0	77.6	3.4	76.3	.86	81.2	81.7	„	0.1					
9 „	.757	.861	80.4	77.6	2.8	76.5	.88	81.0	81.6	„	0.0					
10 „	.770	.889	79.6	77.0	2.6	76.0	.89	80.1	81.5	„	0.0					
11 „	.773	.920	78.6	76.0	2.6	75.0	.89	79.6	81.5	„	0.0					
Apr. 11th-Midnight	.765	.908	78.3	76.0	2.3	75.1	.90	79.0	81.4	W	0.0					
1 a. m.	.755	.889	78.2	76.2	2.0	75.4	.92	79.2	81.4	„	0.0					
2 „	.745	.885	78.0	76.0	2.0	75.3	.92	79.0	81.3	SW	0.0					
3 „	.746	.892	77.8	75.8	2.0	75.0	.92	79.0	81.1	SW b S	0.0					
4 „	.752	.914	77.2	75.2	2.0	74.4	.92	78.4	81.0	„	0.0	None.	None.	None.	None.	None.
5 „	.765	.933	77.0	75.0	2.0	74.2	.92	77.8	80.8	„	0.0					
6 „	.788	.956	77.0	75.0	2.0	74.2	.92	77.7	80.8	SW b W	0.0					
7 „	.813	.965	79.8	76.2	3.6	74.8	.85	79.2	81.0	WSW	0.0					
8 „	.828	.933	82.0	78.0	4.0	76.5	.84	80.5	81.2	W	0.1					
9 „	.832	.998	83.9	77.0	6.9	74.3	.74	81.9	81.4	SW	0.0					
10 „	.832	29.008	84.8	77.0	7.8	73.9	.71	82.6	81.5	„	0.0					
11 „	.821	28.989	86.2	77.6	8.6	74.2	.68	83.0	81.5	WSW	0.0					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩≀ cumuli; ⌣≀ cirro-strati; ∩⌣≀ cumulo-strati; and ≀≀≀ nimbi.	
5	C	Dense ≀≀ scattered about, moving ESE.	Mean daily temperature of ground 20 and 60 inches below its surface 81°5 and 82°1. At 4 P. M. the height of Barometer was 29·659, lowest in the month, and about 0·116 in. lower than the Normal Mean.
4	B	" " "	
4	B	Dense ≀≀ scattered about; dew falling.	
1	B	Dense ≀≀ scattered around hor.; dew falling.	
1	B	Dense ≀≀ scattered along W hor., moving SE; dew falling.	
1	B	Dense ≀≀ scattered around hor.; dew falling.	
2	B	" " "	
5	B	Dense ≀≀ scattered about, moving SE; mist and fog in hor.	
3	B	" " "	
3	C	Dense ≀≀ scattered about, moving SE.	
1	C	Dense ≀≀ scattered along W hor.	
0	C	A few pieces of ≀≀ along E hem., moving E.	
0	C	Clear.	
0	N	"	
0	N	"	
0	B	"	
0	B	A few clouds in E hor.	
0	B	Clear.	
0	B	"	
0	N	A few clouds in E hor.	
0	N	" "	
1	C	Dense ≀≀ scattered around hor., moving E.	
2	C	Dense ≀≀ scattered around hor., moving E; dew falling.	
1	C	" " "	
0	C	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°5 and 82°0. The temperature of Air at 2 and 3 P. M. was 88·6, the greatest in the month, and about 2°2 greater than the Normal Mean.
0	N	" "	
0	N	" "	
0	N	A few pieces of clouds from W to E hor.	
0	N	Clear; dew falling.	
1	B	Patches of ≀≀ scattered along W hor.; dew falling.	
6	B	≀≀ scattered about, moving N.	
4	B	" "	
5	B	≀≀ scattered about, moving NNE.	
3	C	≀≀ scattered around hor., moving NNE.	
1	C	≀≀ scattered about hor., moving E.	
0	C	Clear.	
0	C	"	
0	N	Mist in hor.	
0	N		
0	N	"	
0	N	"	
0	N	"	
5	B	≀≀ scattered about, moving E.	
3	B	" "	
2	B	≀≀ scattered about hor., moving E.	
3	B	≀≀ scattered about hor.; dew falling.	
3	C	≀≀ scattered about; dew falling.	
3	C	≀≀ scattered about hor.; dew falling.	
2	C	" " "	
3	C	Dense ≀≀ scattered about, moving ENE; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°6 and 82°1.
4	N	Dense ≀≀ scattered about, moving E; dew falling.	
2	N	Patches of ≀≀ scattered about, moving E; dew falling.	
1	N	Patches of ≀≀ scattered around hor., moving E; dew falling.	
1	N	" " " "	
1	B	" " " "	
2	B	Patches of ≀≀ scattered about hor., moving E.	
1	B	" " "	
2	B	Patches of ≀≀ scattered about, moving N.	
2	C	" " "	
0	C	Mist along W hor.	
0	C	" "	

Bombay Civil Time. 1860.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the zero of degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Apr. 11th-Noon.	29.807	28.970	87°3	78°0	9°3	74°4	0.66	84°0	81·7	WSW	0.3		+	2		Above 10m.
1 p. m.	.777	.950	88.2	78.0	10.2	74.0	.64	85.0	82.0	„	0.5					
2 „	.752	.885	88.4	79.0	9.4	75.5	.66	85.5	82.2	W b S	0.5					
3 „	.745	.853	87.6	79.4	8.2	76.3	.70	85.5	82 2	W	0.4					
4 „	.740	.871	87.2	78.0	9.2	75.5	.67	85.2	82.3	„	0.4	None.			None.	
5 „	.751	.878	84.0	78.0	6.0	75.7	.77	83.5	82.2	„	0.5					
6 „	.762	.916	82.8	77.0	5.8	74.7	.77	82.2	82.1	„	0.7					
7 „	.760	.939	81.5	76.0	5.5	73.8	.78	81.3	81.9	„	2.0					
8 „	.799	29.000	81.0	75.3	5.7	73.0	.77	80.9	81.8	WNW	0·7					
9 „	.822	.048	80.2	74.4	5.8	71.9	.77	80.4	81.7	NW b W	0·2					
10 „	.831	.070	80.0	74.0	6.0	71.4	.76	80.1	81.7	WNW	0.2					
11 „	.831	.066	79.6	74.0	5.6	71.6	.78	79.8	81.6	W b N	0.2					
Apr. 12th-Midnight	.823	.051	79.0	74.0	5.0	71.8	.80	79.3	81.5	W	0.2					
1 a. m.	.818	.058	78.4	73·5	4.9	71.4	.80	79,1	81.4	W b N	0.0					
2 „	.812	.059	77.4	73.0	4.4	71.1	.82	78.3	81.2	WNW	0.0					
3 „	.801	.037	76·4	73.0	3.4	71.5	.85	77.4	81.0	„	0.0					
4 „	.808	·061	76.8	72.6	4.2	70.8	.83	77.4	81.6	„	0.0					
5 „	.815	.080	76.3	72.2	4.1	70.3	.83	77.2	80·9	„	0.0					
6 „	.831	.069	76.5	73.0	3.5	71.4	.85	77.0	80.7	NW b N	0.0					
7 „	.853	·087	79.5	74·0	5.5	71·6	.77	78.8	80.8	NNW	0.2					
8 „	.876	.132	82.2	74.2	8.0	70.7	.69	80.4	81.0	NW b N	0.1					
9 „	.892	.126	83.4	75.1	8.3	71.6	.69	81.0	81.2	W b S	0.1					
10 „	.893	.086	84.6	76.5	8.1	73.2	.70	82.0	81.3	W	0·1	None.	None.	None.	None.	None.
11 „	.880	.061	85·3	77.0	8.3	73.7	.69	82.8	81.5	„	0.3					
Noon.	.857	.050	86.4	77.0	9.4	73·2	.66	83.7	81.6	„	0.5					
1 p. m.	.839	.014	86·9	77.6	9.3	73·9	.67	85.3	81.7	W b S	0·5					
2 „	·815	28.996	86.8	77.4	9.4	73.7	.66	84.6	81.9	W	0.6					
3 „	.801	.969	87.0	77·8	9.2	74.2	.67	84·8	82·0	„	0.3					
4 „	.797	.942	86.4	78.2	8.2	75.0	.70	84.8	82.1	WSW	0.3					
5 „	.813	.965	84.5	77.5	7.0	74.8	.74	83.0	82.0	W b S	0.3					
6 „	.828	.977	82.4	77.0	5.4	74.9	.79	82.0	81.9	W	0.5					
7 „	·837	.982	81·0	77·0	4.0	75.4	.80	81.0	81.7	„	0·5					
8 „	.854	29.000	80.3	76.5	3.8	75.0	.84	80.5	81.7	„	0.3					
9 „	.866	.021	79.7	76.1	3 6	74.7	.85	80.2	81.6	W b N	0.2					
10 „	.867	.021	79.3	76.0	3.3	74.7	.86	79.9	81.5	W	0.1					
11 „	.856	·016	78·8	75.7	3.1	74.5	.87	79.1	81.4	W b N	0·1					
Apr. 13th-Midnight	.844	.012	78.4	75.4	3.0	74.2	.87	79.1	81.3	WNW	0.0					
1 a. m.	.827	.010	78.4	75.0	3.4	73.6	.86	79.0	81·2	„	0.2					
2 „	.817	.005	78.2	74.8	3.4	73.4	.86	79.0	81.1	NNW	0.2					
3 „	.808	.018	78.0	74.2	3.8	72.6	.84	78.9	81.0	„	0·0					
4 „	.820	.021	77.2	74.2	3.0	72.9	·87	78.0	81.0	„	0.0					
5 „	.841	.043	76.6	74.0	2.6	72.9	.89	77.3	80.9	„	0.0					
6 „	.865	.067	76.6	74.0	2·6	72.9	·89	77.2	80.9	„	0.0					
7 „	.889	.061	79.1	75.5	3.6	74.0	·85	78.7	80.9	NNW	0.1					
8 „	.901	·114	81·1	75.0	6.1	72.5	.76	80.2	81.1	NW.	0.2					
9 „	.897	·088	82.6	76.0	6.6	73.3	·75	81.0	81.2	NW b W	0.1	None.			None.	
10 „	.890	·079	84.2	76.5	7.7	73.4	.71	81.9	81.4	WNW	0.1					
11 „	.886	·054	85.2	77.3	7·9	74.2	.70	82.7	81,5	„	0.3					
Noon.	.873	.043	86·4	77.6	8.8	74.1	.68	83.3	81.6	„	0.3					
1 p. m.	.840	.008	86.6	77.7	8.9	74.2	.68	84.0	81.7	„	0.4					
2 „	.820	28.970	86.8	78.2	8.6	74.8	.69	84.5	82.0	„	0.4					
3 „	.798	.954	86.6	78.0	8.6	74.6	.69	84.8	82.0	„	0.5					
4 „	.801	.943	85.4	78.0	7.4	75.1	.72	84.0	82.0	„	0.6					
5 „	.822	·972	83.2	77.2	6.0	74.8	.77	82.4	81.9	„	0.5					
6 „	.833	.990	81.3	76.4	4.9	74.6	.80	81.3	81.7	„	0.7					
7 „	.851	29.016	80.3	76.0	4.3	74.3	.83	80.4	81.6	„	0.7					
8 „	.858	28.990	79.8	76.7	3.1	75.5	.87	80.1	81.5	„	0.8					
9 „	.867	29.022	79.4	76.0	3.4	74.7	.86	79.9	81.5	NW b W	0.4					
10 „	.875	.015	79.0	76·3	2.7	75.2	.89	79.6	81.4	„	0.4		+	1		Above 10m.
11 „	.869	.014	78.8	76.1	2·7	75.0	.89	79.3	81.4	NW	0.2		+	2		Above 10m.

Amount of Clouds 0—8.	Observers.	STATE OF THE WEATHER.	REMARKS.
		NOTE.—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≤≤ cirro-cumuli; ⌒ cumuli; ⌒≤ cirro-strati; ⌒⌒ cumulo-strati; and ≤⌒ nimbi.	
0	C	Mist along W hor.	
0	N	Mist around hor.	
0	N	" "	
0	N	" "	
0	N	" "	
0	B	" "	
0	B	" "	
0	B	Clear.	
0	B	"	
0	B	"	
0	C	"	
0	C	"	
0	C	"	
0	C	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 81°7 and 82°2.
0	N	"	
0	N	"	
0	N	Clear; dew falling.	
0	N	" "	
0	B	" "	
0	B	Clear.	
0	B	Mist in hor.	
0	B	A few ≤≤ in W hor.; mist in hor.	
1	C	≤≤ scattered along W hor., moving ESE.	
3	C	≤≤ scattered about, moving ESE.	
0	C	A few patches of ≤≤ in W hor.	
0	C	" "	
0	N	Clear.	
0	N	"	
0	N	"	
0	N	"	
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	C	"	
0	C	"	
0	C	A few patches of ≤≤ scattered in W hor.	
2	C	≤≤ scattered around hor.; moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 81°7 and 82°2.
4	N	≤≤ scattered about, moving E.	
3	N	≤≤ scattered about, moving S.	
5	N	" "	
4	N	≤≤ scattered about, moving SE.	
4	B	≤≤ scattered about, moving S; dew falling.	
3	B	≤≤ scattered about hor., moving S.	
2	B	≤≤ scattered around hor.; mist in hor.	
4	B	≤≤ scattered about, moving SSE; mist along W hor.	
4	C	≤≤ scattered about, moving E.	
3	C	" "	
0	C	A few patches of ≤≤ in W and NW hor.	
0	C	Clear.	
0	N	"	
0	N	"	
0	N	"	
0	N	"	
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	C	"	
0	C	"	
0	C	"	

Bombay Civil Time. 1860.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 Inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in seconds during the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Apr. 14th-Midnight	29.851	28.995	78°4	76°0	2°4	75°1	0.90	79°0	81°3	NW	0.2		+	2		Above 10m.
1 a. m.	.841	.977	78·4	76.2	2.2	75.4	.91	79.0	81.3	,,	0.5		+	1		Above 10m.
2 ,,	.828	.009	78·2	75.0	3.2	73.7	.87	79.0	81.2	,,	0.4		+	1		Above 10m.
3 ,,	.833	.043	78.0	74.2	3.8	72.6	.84	78.8	81.0	,,	0.4		+	2		Above 10m.
4 ,,	.836	.039	76.7	74.0	2.7	72.9	.89	77.5	80.8	N b W	0.3		+	1		Above 10m.
5 ,,	.845	.070	76.0	73.2	2.8	72.0	.88	76.8	80.7	,,	0.3		+	1		Above 10m.
6 ,,	.871	.102	75.9	73.0	2.9	71.7	.88	76.5	80.6	,,	0.4					
7 ,,	.891	.108	78.0	74.0	4.0	72.3	.83	77.9	80.6	,,	0.5					
8 ,,	.919	.096	81.4	76.0	5.4	73.8	.79	80.0	80.9	NNW	0.2					
9 ,,	.924	.084	83.4	77.0	6.4	74.5	.75	81.4	81.1	NW	0.3		+	1		Above 10m.
10 ,,	.921	.091	85.0	77.2	7.8	74.1	.71	82.5	81.3	NW b W	0.4		+	1		Above 10m.
11 ,,	.911	.090	85.1	77.0	8.1	73.8	.70	82.7	81.3	,,	0.8		+	1		Above 10m.
Noon.	.891	.057	85.8	77.5	8.3	74.3	.69	83.3	81.5	,,	1.0	None.	+	1	None.	Above 10m.
1 p. m.	.870	.042	86.3	77.5	8.8	74.0	.68	84.0	81.7	,,	1.2					Above 10m.
2 ,,	.852	.013	86.7	77.9	8.8	74.4	.68	84.5	81.7	WNW	2.0		+	1		Above 10m.
3 ,,	.847	.016	86.2	77.8	8.4	74.1	.69	84.4	81.9	,,	1.2					
4 ,,	.843	.029	85.7	77.0	8.7	73.5	.68	84.3	82.0	NW b W	2.2					
5 ,,	.849	.040	82.6	76.0	6.6	73.3	.75	82.9	81.9	,,	2.0		+	1		Above 10m.
6 ,,	.863	.044	81.8	76.0	5.8	73.6	.77	82.4	81.7	,,	1.8					
7 ,,	.880	.079	80.6	75.2	5.4	73.0	.79	80.9	81.5	,,	1.5					
8 ,,	.905	.112	80.5	75.0	5.5	72.7	.78	80.7	81.5	,,	0.7		+	1		Above 10m.
9 ,,	.915	.122	80.5	75.0	5.0	72.7	.78	80.6	81.4	NW	0.5		+	1		Above 10m.
10 ,,	.923	.131	80.6	75.0	5.6	72.7	.78	80.5	81.4	,,	0.4					
11 ,,	.918	.134	80.0	74.6	5.4	72.3	.79	80.1	81.3	,,	0.6					
Apr. 16th-Midnight	.903	29.071	80.5	76.0	4.5	74.2	.82	80.5	81.7	NW	0.7					
1 a. m.	.882	.050	80.5	76.0	4.5	74.2	.82	80.4	81.6	,,	0.6					
2 ,,	.867	.031	80.2	76.0	4.2	74.3	.83	80.4	81.5	,,	0.8					
3 ,,	.845	.007	80.0	76.0	4.0	74.4	.84	80.2	81.5	,,	0.5					
4 ,,	.845	.007	80.0	76.0	4.0	74.4	.84	80.2	81.5	NNW	0.2					
5 ,,	.866	.053	79·1	75.1	4.0	73.5	.84	79.2	81.4	,,	0.2					
6 ,,	.874	.049	78.4	75.2	3.2	73.9	.87	78.9	81.2	,,	0.2					
7 ,,	.899	.052	79.2	76.0	3.2	74.7	.87	79.2	81.2	,,	0.1					
8 ,,	.928	.042	82.8	78.0	4.8	76.1	.81	81.6	81.5	N b W	0.2					
9 ,,	.931	.034	85.6	79.0	6.6	76.5	.75	83.5	81.8	NNW	0.4					
10 ,,	.925	.036	86.4	79.0	7.4	76.3	.73	84.0	82.0	NW	0·7					
11 ,,	.914	.024	86.3	79.0	7.3	76.3	.73	84.0	82.0	,,	1.4					
Noon.	.890	.038	86.3	78.1	8.2	74.9	.70	84.0	82.1	,,	0.8	None.			None.	
1 p. m.	.870	.032	86.4	77.8	8.6	74.4	.68	84.6	82.3	,,	1.0					
2 ,,	.848	28.995	86.6	78.2	8.4	75.0	.69	84.6	82.4	,,	2.5					
3 ,,	.831	.983	86.0	77.2	8.8	74.8	.68	84.5	82.5	,,	2.5					
4 ,,	.819	29.025	85.4	76.4	9.0	72.8	.67	84.0	82.5	,,	2.5					
5 ,,	.822	.048	83.7	75.4	8.3	71.9	.69	82.8	82.4	,,	1.5					
6 ,,	.826	.047	82.6	75.2	7.4	72.1	.72	82.0	82.4	,,	0.8		+	1		Above 10m.
7 ,,	.844	.069	82.2	75.0	7.2	72.0	.72	81.8	82.2	,,	0.4					
8 ,,	.860	.083	82.0	75.0	7.0	72.0	.73	81.5	82.2	,,	0.8					
9 ,,	.864	.041	81.4	76.0	5.4	73.8	.79	81.3	82.1	,,	1.2					
10 ,,	.869	.003	81.0	77.0	4.0	75.4	.84	81.1	82.0	,,	2·5					
11 ,,	.864	.026	80.4	76.1	4.3	74.4	.83	80.6	82.0	,,	0.8					
Apr. 17th-Midnight	.855	.014	80.1	76.1	4.0	74.5	.83	80.2	82.6	NW	0.7					
1 a. m.	.845	28.991	79.6	76.3	3.3	75.0	.86	80.2	81.7	,,	0.5					
2 ,,	.831	.987	79.4	76.2	3.2	74.9	.87	80.0	81.7	,,	0.4					
3 ,,	.835	.988	79.2	76.0	3.2	74.7	.87	79.6	81.6	,,	0.1					
4 ,,	.835	.977	78.2	76.0	2.2	75.1	.91	79.0	81.5	N b W	0.1					
5 ,,	.847	29.009	78.0	75.5	2.5	74.4	.89	78.3	81.4	,,	0.2					
6 ,,	.873	.011	77.8	76.0	1.8	75.3	.92	78.2	81.4	,,	0.1					
7 ,,	.899	.022	80.0	77.0	3.0	75.8	.88	79.6	81.5	,,	0.1					
8 ,,	.909	.040	80.7	77.0	3.7	75.5	.85	80.2	81.6	NW	0.5		+	Out of Sc.	70	0.13
9 ,,	.934	.076	81.7	77.0	4.7	75.1	.81	81.0	81.6	,,	0.2					
10 ,,	.947	.013	81.7	76.1	5.6	73.9	.78	81.0	81.6	,,	0.8	Less than one-hundreth.				
11 ,,	.939	28.993	83.5	78.9	4.6	77.2	.82	82.6	81.7	,,	0.5					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∿ cirri; ∿∿ cirro-cumuli; ⌒ cumuli; ⌒∿ cirro-strati; ⌒⌒ cumulo-strati; and ⌒⌒∿ nimbi.	
0	C	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 81°7 and 82°2.
3	N	∿∿ scattered about, moving SE.	
2	N	" "	
4	N	∿∿ scattered about, moving SSE.	
2	N	∿∿ scattered about hor.	
1	B	∿∿ scattered in E and along W hor.; dew falling.	
2	B	∿∿ scattered about hor., moving SE.	
3	B	∿∿ scattered about, moving SE; mist along W hor.	
3	B	"	
4	C	∿∿ scattered about, moving SE. "	
3	C	" "	
0	C	Clear.	
0	C	"	
0	N	"	
0	N	"	
0	N	"	
0	N	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
4	C	⌒∿ scattered about, moving ESE.	Mean daily temperature of ground 20 and 60 inches below its surface 81°9 and 82°4.
4	R	" "	
4	R	" "	
6	R	" "	
7	R	⌒∿ scattered throughout, moving E.	
7	B	⌒∿ scattered throughout, moving NE.	
6	B	" " "	
6	B	⌒∿ scattered throughout, moving NE; light mist around hor.	
5	B	" " "	
6	C	⌒∿ scattered throughout, moving NE.	
2	C	⌒∿ scattered around hor.	
1	C	Masses of ⌒∿ scattered around hor.	
0	C	"	
0	N	A few pieces of ⌒∿ in E and W hor.	
0	N	Pieces of ∿∿ scattered along E hor.	
0	N	Mist in E hor.	
0	N	"	
0	B	"	
0	B	Clear.	
1	B	⌒∿ scattered along W hor.	
0	B	A few pieces of ⌒∿ in W hor.	
0	C	"	
0	C	Clear; except in hor. "	
0	C	" "	
2	C	⌒∿ scattered about E and W hor.	Mean daily temperature of ground 20 and 60 inches below its surface 81°9 and 82°4.
2	N	Masses of ⌒∿ scattered about, moving SE.	
3	N	" " "	
3	N	Masses of ⌒∿ scattered about, moving S.	
2	N	" " "	
6	B	⌒∿ scattered throughout, moving E; big drops of rain fell from 5h. 25m. to 5h. 37m.	
4	B	⌒∿ scattered about, moving NE; light mist along W hor.	
6	B	" " "	
7	B	⌒∿ scattered throughout, moving NNE; a few drops of rain fell at 8h. 8m.	
7	C	Densely clouded with ⌒∿, moving NNE; drops of rain fell between 9h. 20m. and 9h. 31m.	
7	C	⌒∿ scattered throughout, moving NNE.	
6	C	⌒∿ scattered throughout, moving NE.	

Bombay Civil Time. 1860.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Apr. 17th–Noon.	29.891	28.982	86°5	79°5	7°0	76°9	0.74	84°6	82°0	NW	0.2					
1 p. m.	.866	·957	87.8	80.0	7.8	77.2	.71	85.0	82.2	W b N	0.3					
2 „	.843	.961	87.0	79.0	8.0	76.0	.76	85.0	82.3	„	0.3					
3 „	.827	.951	86.8	78.8	8.0	75.8	.71	85.6	82.5	WNW	0.5					
4 „	.807	.985	86.1	77.3	8.8	73.8	.68	84.5	28.5	„	0.7					
5 „	.808	29.012	82.8	76.0	7.8	72.8	.71	82.4	82.4	„	0.8					
6 „	.818	.050	82.8	75.0	7.8	71.7	.70	81.9	82.3	NW b W	0.8				None.	
7 „	·823	.087	82.5	74.0	8.3	70·4	.68	81.8	82.2	„	1.2					
8 „	.834	.072	81.8	74.6	7.2	71.5	.72	81.5	82.1	„	1.3					
9 „	.852	.040	81.0	75.6	5.4	73.4	.79	81.0	82.0	„	1.8					
10 „	.863	.029	80.4	75.0	4.4	74.3	.82	80.6	81.9	„	1.5					
11 „	.845	.025	79.9	75.5	4.4	73.7	.82	80.1	81.8	NW	2.5	Less than one-hundreth.	+	1		Above 10m.
Apr. 18th-Midnight	.844	.015	79.4	75.6	3.8	74.1	.84	79.7	81.7	NW	2.5		+	1		Above 10m.
1 a. m.	.842	.023	79.2	75.3	3.9	73.7	.84	79.6	81.6	„	1.0					
2 „	.832	.023	79.0	75.0	4.0	73.3	.84	79.6	81.5	„	1.0					
3 „	.825	.017	77.8	74.6	3.2	73.3	.87	78.8	81.5	NNW	0.2					
4 „	.830	·027	76.8	74.2	2.6	73.1	.89	78.0	81.3	„	0.2					
5 „	.864	.089	76.4	73.3	3.1	72.0	.87	77.2	81.1	N	0.3					
6 „	.895	.103	77.2	74.0	3.2	72.7	.86	77.5	81.1	„	0.2					
7 „	·924	.118	79.4	75.0	4.4	73.2	.82	78.8	81.2	„	0·2					
8 „	.938	.141	80.9	75.2	5.7	72.9	.77	80.1	81.3	NW b N	0.1					
9 „	.933	.141	84.2	76.0	8.2	72.7	.69	82.0	81.5	NW b W	0.2					
10 „	.926	.104	85.0	77.0	8.0	73.8	.71	82·7	81.8	NW	0·4					
11 „	.921	.112	86.2	77.0	9.2	73.3	.67	83.3	81.9	„	0·7		+	1		Above 10m.
Noon.	.886	.054	86.6	77.7	8.9	74.2	.68	83.0	82.0	„	0·8					
1 p. m.	.860	28.960	87.2	79.5	7.7	76.6	.72	84.5	82.2	„	1.0	None.			None.	
2 „	.846	29·013	87.3	77.9	9.4	74.2	.66	85.0	82.3	WN b W	1·5					
3 „	.842	28·979	87.2	78.6	8.6	75.3	.69	85.1	82.5	„	0.8					
4 „	.823	.940	81.9	79.0	7.9	76.0	.71	85.0	82.5	„	0.8					
5 „	.827	.990	84.4	77.2	7.2	74.4	.73	82.9	82.4	„	0.8					
6 „	·838	29.029	82.6	76.0	6.6	73.3	.75	82.2	82.3	„	0.8					
7 „	.854	.067	81.5	75.1	6.4	74.5	.76	81.3	82.3	„	0.5					
8 „	.861	.081	81.0	74.5	5.5	72.2	.74	81.0	82.1	„	0·6					
9 „	.876	.093	80.4	74.7	5.7	72.3	.73	80.7	82.0	„	0.4					
10 „	.877	.151	79.8	73.8	6.8	69.9	.73	80.0	82.0	NW	0.6					
11 „	.860	.127	79.8	73.2	6.6	70.2	.74	80.0	81.9	„	0.5					
Apr. 19th-Midnight	.849	.081	79.4	74.0	5.4	71.7	.78	79.8	81.8	NW	0.4					
1 a. m.	.833	.032	79.2	74.8	4.4	73.0	.82	79.7	81.8	„	0.6					
2 „	.824	.034	78.8	74.4	4.4	72.6	.82	79.6	81.7	„	0.3					
3 „	.825	.060	77.3	73.3	4.0	71.6	.83	78.0	81.5	„	0.1					
4 „	.828	.062	76.2	73.0	3.2	71.6	.86	77.3	81.2	„	0.1					
5 „	.836	.068	76.0	73.0	3.0	71.7	.87	77.1	81.1	„	0.1					
6 „	.851	.097	75.6	72.5	3.1	71.1	.87	76.5	80.9	„	0.1					
7 „	.887	.123	78.0	73.5	4.5	71.5	.82	78.0	80.9	„	0.2					
8 „	.914	.147	81.2	74.5	6.7	71.6	.74	80.5	81.2	„	0.1					
9 „	.929	.163	84.0	75.3	8.7	71.6	.67	81.9	81.5	„	0.7					
10 „	.920	.137	85.0	76.0	9.0	72.3	.67	82.6	81.6	NW b W	0.5					
11 „	.917	.091	85.4	77.2	8.2	74.0	.70	83.0	81.8	WNW	0.7					
Noon.	.893	.062	86.0	77.5	8.5	74.1	.69	83.7	81.9	„	0.7	None.			None.	None.
1 p. m.	.871	.051	85.8	77.1	8.7	73.6	.68	84.0	82.0	„	0.5		+	1		
2 „	.836	.033	85.7	76.7	9.0	73.1	.67	84.0	82.0	„	1.5		+	1		
3 „	.818	.025	84.8	76.2	8.6	72.7	.68	83.3	81.9	„	2.2					
4 „	.815	.043	84.3	75.5	8.8	71.8	.66	83.0	82.0	„	1.8					
5 „	.811	.079	82.6	74.0	8.6	70.2	.68	81.9	82.0	NW b W	2.6					
6 „	.820	.059	81.0	74.3	6.7	71.4	.74	81.0	81.9	„	2.0					
7 „	.815	.016	80.0	75.0	5.0	73.0	.80	80.6	81.8	„	0.5		+	2		
8 „	.829	.020	79.8	75.2	4.6	73.3	.81	80.2	81.8	„	0.4		+	1		
9 „	.846	.042	79.5	75.0	4.5	73.1	.82	79.9	81.6	NW	0.5		+	1		
10 „	.861	.057	79.5	75.0	4.5	73.1	.82	79.8	81.5	„	0.4		+	1		
11 „	.861	.053	79.2	75.0	4.2	73.3	.83	79.6	81.5	NW b N	0.4					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ∪ cirro-strati; ∩∪ cumulo-strati; and ∪ nimbi.	
5	C	≀≀ scattered throughout, moving NE.	
3	N	≀≀ scattered about, moving SSE.	
4	N	≀≀ scattered in E hem., the motion of which was not apparent.	
2	N	≀≀ scattered about, moving SE.	
0	N	≀≀ scattered about hor.	
0	B	A few masses of ≀≀ along E hor.	
0	B	" "	
0	B	" "	
0	B	Clear; except in hor.	
0	C	Clear; strong gusts of wind blowing.	
0	C	" " "	
0	C	A few ≀ scattered in NE and E hor.; strong gusts of wind blowing.	
0	C	A few ≀ in E hor.; smart gusts of wind blowing.	Mean daily temperature of ground 20 and 60 inches below its surface 81°9 and 82°4.
2	N	≀≀ scattered about, moving SE.	
2	N	≀≀ scattered about hor.	
2	N	" "	
2	N	" "	
4	B	≀≀ scattered about, moving NNE.	
4	B	" "	
2	B	≀≀ scattered about hor., moving NE.	
1	B	" "	
1	C	Patches of ≀≀ scattered here and there, moving NE.	
0	C	" " "	
0	C	A few pieces of ≀≀ in W hor.	
0	C	Clear.	
0	N	"	
0	N	"	
0	N	"	
0	N	"	
0	B	"	
0	B	A few ≀ in W hor.	
0	B	" "	
0	B	Clear.	
0	C	"	
0	C	"	
0	C	"	
0	C	Clear, except in hor.	Mean daily temperature of ground 20 and 60 inches below its surface 81°9 and 82°4.
0	N	" "	
0	N	≀≀ scattered about, moving SE.	
2	B	" "	
2	B	≀≀ scattered around hor., moving SE.	
1	C	" " "	
1	C	" " "	
1	N	" " "	
1	N	≀≀ scattered along W hor.	
1	B	" "	
1	B	" "	
1	C	A few pieces of ≀≀ in NE hor.	
0	C	Clear.	
0	N	Patches of ≀≀ in hor., moving E.	
0	N	Mist along E hor.	
0	B	" "	
0	B	" "	
0	C	" "	
0	C	Clear.	
0	N	"	
0	N	"	
0	B	≀≀ scattered about hor.	
0	B	" "	
0	C	≀≀ scattered about hor., moving SE.	

Bombay Civil Time. 1860.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet-Bulb Thermometer.	Depression of Wet-Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Apr. 20th-Midnight	29.853	29.045	79°2	75°0	4°2	73°3	0.83	79°6	81°4	NW	0.3					
1 a. m.	.835	.012	79.2	75.4	3.8	73.8	.84	79.7	81.4	,,	0.3		+	1		Above 10m.
2 ,,	.825	.015	79.0	75.0	4.0	73.3	.84	79.7	81.4	,,	0.4		+	1		Above 10m.
3 ,,	.825	.015	79.0	75.0	4.0	73.3	.84	79.6	81.4	,,	0.2		+	1		Above 10m.
4 ,,	.837	.030	78.7	75.0	3.7	73.2	.85	79.2	81.4	,,	0.1					
5 ,,	.854	.037	77.7	74.8	2.9	73.6	.89	78.2	81.2	N	0·0					
6 ,,	.872	.064	77.5	74.5	3.0	73.3	.87	78.0	81.1	,,	0.0					
7 ,,	.908	.085	79.6	75.5	4.1	73.8	.83	79.3	81.3	,,	0.1					
8 ,,	.925	.107	81.8	76.0	5.8	73.6	.77	80.7	81.3	N b E	0·1					
9 ,,	.931	.094	84.4	77.2	7.2	74.4	.73	82.2	81.5	NW	0·1					
10 ,,	.921	.059	85.0	78.0	7.0	75.3	.74	83.0	81.7	NW b W	0·4					
11 ,,	.907	.016	86.2	79.0	7.2	76.3	.73	83.8	81.8	WNW	0.6					
Noon.	.878	28.956	86.8	79.9	6.9	77.4	.75	84.3	82.0	,,	0.8	None.			None.	
1 p. m.	.843	.910	86.9	80.2	6.7	77.8	.75	84.9	82.3	NW b W	0.8					
2 ,,	.821	.932	86.4	79.0	7.4	76.6	.73	84.8	82.4	,,	1.6					
3 ,,	.777	.887	86.3	79.0	7.3	76.6	.73	84.7	82.5	,,	1.6					
4 ,,	.753	.870	85.2	78.6	6.6	76.4	.75	84.1	82.5	,,	2·0					
5 ,,	.757	.892	83.6	77.7	5.9	75.4	.77	83.0	82.4	,,	1.4					
6 ,,	.786	.932	82.1	77.0	5.1	75.0	.80	82.0	82.3	NW	0·7					
7 ,,	.854	29.010	81.2	76.5	4.7	74.6	.81	81.2	82.2	,,	0·2					
8 ,,	.860	.007	80.8	76.6	4.2	75.0	.83	81.1	82.1	,,	0.3					
9 ,,	.872	.002	80.6	77.0	3.6	75.6	.85	81.0	82.0	,,	0.5					
10 ,,	.875	.021	80.2	76.5	3.7	75.0	.85	80.6	82.0	,,	0·5					
11 ,,	.875	.069	80.0	76.7	3.3	75.4	.86	80.3	81.9	,,	0.2					
Apr. 21st-Midnight	.866	28.985	79.6	77.0	2.6	76.0	.89	80.1	81.8	NW	1.5					
1 a. m.	.862	.996	79.2	76.5	2.7	75.4	.89	80.0	81.7	,,	0.2					
2 ,,	.856	29.009	79.2	76.0	3.2	74.7	.87	80.0	81.7	,,	0.4					
3 ,,	.848	.020	78.8	75.4	3.4	74.0	.86	79.8	81.7	,,	0·4					
4 ,,	.853	.032	78.7	75.5	3.2	73.8	.85	79.8	81.6	NNW	0.2					
5 ,,	.865	.025	77.3	75.3	2.0	74.5	.91	78.2	81.5	NW b N	0.2					
6 ,,	.884	.058	77.5	75.0	2.5	74.0	.89	78.2	81.5	NNW	0.1					
7 ,,	.898	.045	89.0	76.4	3.6	75.0	.85	79.5	81.6	,,	0.1					
8 ,,	.927	.057	82.5	77.5	5.0	75.6	.80	81.2	81.7	NW	0.1					
9 ,,	.939	.082	83.7	77.5	6.2	75.1	.76	82.0	81.8	,,	0.1					
10 ,,	.937	.075	85.0	78.0	7.0	75.3	.74	82.8	82.0	NWW	0.1					
11 ,,	.923	.055	85.6	78.3	7.3	75.5	.73	83.3	82.1	W b N	0.2					
Noon.	.907	.018	86.4	79.0	7.4	76.3	.73	83.9	82.2	W	0.4	None.	None.	None.	None.	None.
1 p. m.	.871	.001	86.2	78.5	7.7	75.6	.71	84.2	82.4	WNW	1.4					
2 ,,	.843	28.950	86.2	79.0	7.0	76.4	.70	84.3	82.4	,,	1.5					
3 ,,	.818	.935	84.6	78.4	6·2	76.0	.76	83.7	82.3	,,	1.0					
4 ,,	.810	.946	84.8	78.0	6.8	75.4	.74	83.4	82.3	,,	0.6					
5 ,,	.817	.975	83.2	77.0	6.2	74.6	.76	82.2	82.4	,,	0.8					
6 ,,	.845	.985	81.5	77.0	4.5	75.2	.82	81.5	82.2	,,	0.3					
7 ,,	.859	29.017	80.4	76.2	4.2	74.6	.83	80.4	82.1	,,	0.4					
8 ,,	.880	.034	80.0	76.2	3.8	74.7	.85	80.2	82.0	,,	0.2					
9 ,,	.904	.042	79.6	76.5	3.1	75.3	.87	80.1	81.9	NW b W	0.0					
10 ,,	.901	.052	79.0	76.0	3.0	74.8	.88	79.6	81.8	,,	0.0					
11 ,,	.887	.038	79.0	76.0	3.0	74.8	.88	79.6	81.8	W b S	0.0					
Apr. 23rd-Midnight	.817	29.007	79.0	75.0	4.0	73.3	.84	79.3	81.5	WNW	0.2		+	7	5	0.46
1 a. m.	.807	.018	78.5	74.3	4.2	72.6	.83	79.2	81.6	NW	0.2		+	4		0.12
2 ,,	.781	28.969	78.2	74.8	3.4	73.4	.86	79.0	81.6	,,	0.1		+	6	4	0.20
3 ,,	.780	.995	77.8	74.0	3.8	72.4	.84	78.8	81.5	,,	0.1		+	4		0.42
4 ,,	.782	.976	78.0	74.6	3.4	73.2	.86	78.6	81.4	,,	0.2		+	24	22	0.12
5 ,,	.808	29.021	77.6	74.0	3.6	72.5	.85	78.2	81.3	N b W	0 0		+	5	4	3.26
6 ,,	.827	.018	77.4	74.5	2.9	73.3	.88	77.9	81.2	N	0.0	None.	+	1		Above 10m.
7 ,,	.844	.024	79.5	75.4	4.1	73.7	.83	79.2	81.3	N b E	0.0		+	1		Above 10m.
8 ,,	.874	.051	81.4	76.0	5.4	73.8	.79	80.4	81.4	NE b N	0.1					
9 ,,	.874	.001	84.0	78.0	6.0	75.7	.77	81.9	81.6	E b N	0.0					
10 ,,	.880	.058	85.0	77.0	8.0	73.8	.70	82.7	81.7	E b S	0.0					
11 ,,	.874	.069	85.8	76.8	9.0	73.2	.67	83.1	81.9	WNW	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are : ≀ cirri ; ≀≀ cirro-cumuli ; ∩≀ cumuli ; ∪≀ cirro-strati ; ∩∪≀ cumulo-strati ; and ∨∪≀ nimbi.	
4	C	≀≀ scattered about, moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 82°0 and 82°5.
2	N	" "	
3	N	≀≀ scattered about, moving SSE.	
3	N	" "	
2	N	" "	
2	B	Fleecy clouds scattered about hor., moving SE.	
2	B	Fleecy clouds scattered about hor., moving NE.	
6	B	≀≀ scattered throughout, moving NE; light mist around hor.	
6	B	" " "	
2	C	≀≀ scattered around hor., moving E; mist around hor.	
1	C	≀≀ scattered along W hor.	
0	C	Clear.	
0	C	A few pieces of clouds in NW and E, moving ESE.	
0	N	∩≀ along E hor.; pieces of ≀≀ scattered here and there, moving SE.	
1	N	" " " "	
1	N	∩≀ along E hor.	
1	N	" "	
1	B	" "	
1	B	" "	
1	B	≀≀ scattered here and there; lightning in E at intervals of 41s.	
1	B	≀≀ scattered about hor., moving SE; lightning in E at intervals of more than 10m.	
1	C	" " " "	
2	C	≀≀ scattered about, moving SE.	
1	C	≀≀ scattered about hor., moving SE.	
3	C	≀≀ scattered around hor., moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 82°2 and 82°6. In this month the greatest height of Barometer was 29·937 in., which was 0·061 in. greater than the Normal Mean.
2	N	Patches of ≀≀ scattered here and there, moving SE.	
2	N	" " "	
1	N	" " "	
0	N	A few pieces of clouds scattered here and there, moving SE.	
4	B	≀≀ scattered about, moving E; mist in hor.	
3	B	" " "	
3	B	" " "	
3	B	≀≀ scattered about, moving SE.	
2	C	" "	
2	C	≀≀ scattered about hor.. and in E.	
2	C	Patches of ≀≀ scattered about, moving SE.	
1	C	≀≀ scattered here and there, moving SE; ∩≀ along E hor.	
1	N	∩≀ along E hor.; patches of ≀≀ scattered here and there, moving SE.	
1	N	" " " "	
1	N	∩≀ along E hor.; thick mist along W hor.	
1	N	" " "	
1	B	∩≀ along E hor.	
1	B	"	
1	B	∩≀ along E hor.; lightning in E hor., at intervals of 10s.	
1	B	≀≀ scattered about E hor.; lightning in E hor. at intervals of 21s.	
1	B	≀≀ scattered along E and W hor.; lightning in E at intervals of 5m. 38s.	
0	B	A few pieces of clouds scattered here and there; dew falling.	
0	B	" " " "	
4	C	∨∪≀ scattered about, moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 82°5 and 82°6.
4	N	" "	
2	N	" "	
3	N	" "	
6	N	" "	
6	B	" "	
5	B	" "	
5	B	" "	
7	B	" "	
5	C	" "	
5	C	∨∪≀ scattered about, moving ENE.	
4	C	∨∪≀ scattered about, moving NE.	

Bombay Civil Time. 1860.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.				
Apr. 23rd–Noon.	29.860	29.059	86°2	76°8	9°4	73°0	0.66	83°2	82°0	WNW	0.1					
1 p. m.	.821	.050	86.8	76.2	10.6	71.8	.62	84.0	82.1	„	0.2					
2 „	.791	28.987	86.6	77.0	9.6	73.1	.65	84.3	82.2	„	0·3					
3 „	.778	.961	86.2	77.2	9.0	73.6	.67	84.2	82.3	„	0.3					
4 „	.772	.963	85.8	76.9	8.9	73.3	.67	84.0	82.4	„	0.2					
5 „	.779	.981	83.6	76.0	7.6	72.9	.71	82.7	82.3	NW b W	0.5	None.	None.	None.	None.	None.
6 „	.794	.975	81.7	76.0	5.7	73.7	.78	81.5	82.2	„	0.2					
7 „	.799	.978	80.5	75.7	4.8	73.8	.81	80.8	82.1	„	0.3					
8 „	.818	.980	80.0	76.0	4.0	74.4	.84	80.3	82.0	„	0.5					
9 „	.834	.992	89.6	76.0	3.6	74.6	.85	80.1	81.9	„	0.2					
10 „	.840	.995	79.4	76.0	3.4	74.7	.86	80.0	81.8	„	0.3					
11 „	.832	.987	79.4	76.0	3.4	74.7	.86	80.0	81.7	„	0.1					
Apr. 24th–Midnight	.822	.975	79.2	76.0	3.2	74.7	.87	79.8	81.7	NW b W	0.1					
1 a. m.	.808	.963	79.0	75.9	3.1	74.7	.87	79.8	81.7	„	0.2					
2 „	.795	.975	78.8	75.2	3.6	73.7	.85	79.7	81.6	„	0.1					
3 „	.797	.980	78.4	75.0	3.4	73.6	.86	79.0	81.6	NW	0.1					
4 „	.795	.994	78.1	74.5	3.6	73.0	.85	79.0	81.5	„	0.1					
5 „	.805	.995	78.3	74.8	3.5	73.3	.85	78.9	81.4	„	0.1					
6 „	.829	29.024	77.8	74.5	3.3	73.2	.86	78.3	81.3	N	0.0					
7 „	.848	.027	79.8	75.5	4.3	73.8	.83	79.4	81.4	„	0.1					
8 „	.875	.038	81.9	76.5	5.4	74.4	.79	80.6	81.5	NE	0.1					
9 „	.892	.088	84.5	76.4	8.1	73.1	.70	82.0	81·7	„	0.1					
10 „	.887	.076	86.0	77.0	9.0	73.4	.67	83.0	81.9	„	0.1	None.	None.	None.	None.	None.
11 „	.872	.083	86.6	76.6	10.0	72.6	.64	83.2	82.0	„	0.1					
Noon.	.850	.052	87.2	77.0	10.2	72.9	.64	84.9	82.1	W	0.1					
1 p. m.	.836	.033	87.8	77.3	10.5	73.1	.63	84.9	82.3	W b N	0.1					
2 „	.810	28.977	88.4	78.2	10.2	74.1	.64	85.2	82.5	„	0.1					
3 „	.794	.957	88.0	78.2	9.8	74.4	.65	85.5	82.6	WNW	0·2					
4 „	.783	.959	84.8	77.0	7.8	73.8	.71	84.0	82.6	„	0.2					
5 „	.794	.961	84.0	77.0	7.0	74.2	.73	83.2	82.6	„	0.3					
6 „	.816	.983	82.6	76.6	6.0	74.2	.77	82.2	82.4	„	0.5					
7 „	.823	.984	81.4	76.5	4.9	74.4	.80	81.5	82.3	„	0.6					
8 „	.839	.988	81.0	76.6	4.4	74.9	.82	81.2	82.2	NW	0.3					
9 „	.842	.972	80.6	77.0	3.6	75.6	.85	81.0	82.1	„	0.2					
10 „	.854	.980	80.3	77.0	3.3	75.7	.86	80.8	82.0	„	0.4					
11 „	.847	.970	80.0	77.0	3.0	75.8	.88	80.4	82.0	„	0.5					
Apr. 25th–Midnight	.841	.970	79.8	76.8	3.0	75.6	.88	80.0	82.0	NW	0.4					
1 a. m.	.833	.973	79.4	76.4	3.0	75.2	.88	80.0	82.0	NW b N	0.2					
2 „	.812	.963	79.4	76.1	3.3	74.8	.86	80.0	82.0	N b W	0.1					
3 „	.807	.951	78.4	76.0	2.4	75.1	.90	79.4	81.9	N	0.1					
4 „	.813	.977	78.0	75.4	2.6	74.3	.89	79.0	81.9	„	0·1					
5 „	.830	.996	77.6	75.2	2.4	74.3	.90	78.5	81.7	„	0.1					
6 „	.855	29.025	77.9	75.2	2.7	74.1	.89	78.3	81.5	„	0·1					
7 „	.870	.032	80.0	76.0	4.0	74.4	.84	79.8	81.6	„	0.1					
8 „	.878	.060	81.8	76.0	5.8	73.6	.77	80.9	81.7	„	0.1					
9 „	.891	.056	83.8	77.0	6.8	74.3	.74	82.1	81.9	NW	0.3					
10 „	.893	.075	85.4	77.0	8.4	73.6	.69	83.2	82.0	„	0.4					
11 „	.889	.036	86.2	78.1	8.1	75.0	.70	83.8	82.2	„	0·6	None.	None.	None.	None.	None.
Noon.	.872	.028	86·6	78.0	8.6	74.6	.68	84.0	82.3	„	0.8					
1 p. m.	.853	.005	86.3	78.0	8.3	74.8	.69	84.2	82.4	„	0.6					
2 „	.827	28.963	85.6	78.2	7.4	75.4	.72	84.0	82.5	NW b W	1.0					
3 „	.803	.937	85.4	78.2	7.2	75.4	.73	84.0	82.5	„	1.2					
4 „	.795	.931	84.8	78.0	6.8	75.4	.74	84.0	82.5	„	0.7					
5 „	.802	.939	83.8	77.7	6.1	75.3	.77	82.6	82.4	„	0.8					
6 „	.814	.951	81.3	77.0	4.3	75.3	.83	81.3	82.3	„	0.5					
7 „	.819	.946	80.4	77.0	3.4	75.7	.86	80.7	82.2	„	0·8					
8 „	.830	.953	80·0	77.0	3.0	75.8	.88	80.3	82.2	„	0.7					
9 „	.849	·968	79.6	77.0	2.6	76.0	.89	80.1	82.1	NW	0.2					
10 „	.855	.971	79.4	77.0	2.4	76.1	.90	80.0	82.0	„	0.1					
11 „	.852	.990	79.2	76.4	2.8	75.3	.88	79.8	81.9	„	0.3					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩∩ cumulo-strati; and ≀∩ nimbi.	
2	C'	≀≀ scattered about hor., moving NE.	
1	N	∩ along E hor.	
1	N	"	
1	N	∩ and ≀≀ scattered along E hor., the latter moving SSE.	
1	N	" "	
1	B	≀≀ scattered around hor., except in NE, S, and SW.	
1	B	" "	
2	B	≀≀ scattered in W and SE above hor.	
1	B	" "	
0	C	A few pieces of ≀≀ in W hor.	
0	C	Clear, except in hor.	
0	C	≀≀ scattered about hor., moving SE.	
4	C	≀≀ scattered about hor., moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 82°5 and 82°7.
5	N	≀≀ scattered about, moving SE.	
3	N	" "	
2	N	≀≀ scattered around hor.	
2	N	" "	
5	B	≀≀ scattered about, moving SE.	
5	B	" "	
7	B	≀≀ scattered throughout, moving S.	
5	B	≀≀ scattered about, moving SSE.	
5	C	≀≀ and ≀ scattered about, the former moving SSE.	
4	C	Clouds as before, but the motion ≀≀ was SW.	
2	C	≀ and ≀≀ scattered around hor.	
3	C	≀≀ in E and ≀ scattered about.	
5	N	≀ scattered about, moving E.	
5	N	≀ and ≀≀ scattered about, both moving E.	
5	N	≀ scattered about, moving E.	
7	N	≀ and ≀≀ scattered about, the latter moving E.	
7	B	" " "	
7	B	" " "	
6	B	≀≀ along W hor.; ≀ scattered throughout.	
2	B	≀≀ and ≀ scattered about hor.	
1	C	≀ scattered around hor.	
1	C	" "	
2	C	" "	
3	C	≀ and ≀≀ scattered about hor., the latter moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 82°5 and 82°7.
2	N	Patches of ≀≀ scattered about, moving SE.	
2	N	" " "	
2	N	Patches of ≀≀ scattered around hor.	
2	N	" "	
6	B	≀≀ around hor.; ≀ scattered throughout, moving ENE.	
6	B	Clouded as before; light mist along W hor.	
4	B	≀≀ and ≀ scattered about, both moving ENE; light mist along W hor.	
6	B	≀≀ and ≀ scattered about, the former moving SSE.	
8	C	≀≀ and ≀ scattered throughout, the former moving SE.	
7	C	≀≀ along W hor.; ≀ scattered throughout.	
4	C	≀ scattered about hor.	
3	C	" "	
4	N	≀ scattered about, without any apparent motion.	
3	N	Clouded as before.	
3	N	" "	
3	N	" "	
6	B	≀ scattered throughout, moving E.	
6	B	" "	
4	B	≀ scattered about.	
2	B	≀ scattered around hor.	
1	C	" "	
2	C	≀≀ and ≀ scattered about, the former moving SE.	
4	C	≀≀ scattered about, moving SE.	

Bombay Civil Time. 1860.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.				°					lbs.	in.		Sc. div.	Sc. div.	m. s.
Apr.26th-Midnight	29.842	28.995	79·2	76·0	3·2	74·7	0.87	79·7	81·9	NW	0,5					
1 a. m.	.825	.978	79.2	76.0	3.2	74.7	.87	79.9	82.0	,,	0·5					
2 ,,	·821	.983	79.0	75.7	3.3	74.4	.86	79.7	82.0	,,	0·2					
3 ,,	.805	.973	78.8	75.5	3.3	74.2	.86	79.7	81.9	NNW	0.1					
4 ,,	.807	.983	78.1	75.1	3.0	73.9	.87	78.9	81.8	N	0.1					
5 ,,	.817	.993	77.7	75.0	2.7	73.9	.89	78.3	81.4	,,	0.1					
6 ,,	.831	29.003	77·4	75.0	2.4	74.0	.90	78.1	81.4	,,	0.1					
7 ,,	.858	.019	79.5	75.9	3.6	74.4	.85	79.1	81.5	,,	0.1					
8 ,,	.878	.034	83.0	77.0	6.0	74.6	.77	81.3	81.7	NNW	0·1					
9 ,,	.878	.017	84.3	77.8	6·5	75.2	.75	82·3	81.9	,,	0.3					
10 ,,	.873	.018	85.6	78.0	7.6	75.0	.72	83.1	82.0	NW	0.5					
11 ,,	.858	.009	86.2	78.0	8.2	74.8	.70	83.8	82.2	NW	0.8					
Noon.	.834	28.943	86.2	79.0	7.2	76.3	.73	83.9	82.2	NW b W	1·0	None.			None.	
1 p. m.	.817	.923	85.9	79.0	6.9	76.4	.74	84.0	82.4	NW b N	1.2					
2 ,,	.783	.884	86.2	79.2	7.0	76.6	.74	84·3	82.5	,,	1·0		+	1		Above 10m.
3 ,,	.765	.849	86.2	79.6	6.6	77.2	.75	84.2	82 5	,,	1·0		+	1		Above 10m.
4 ,,	.741	.839	85.2	79.0	6.2	76.7	.76	84.0	82.6	,,	1·0					
5 ,,	.755	.862	83.8	78.2	5.6	76.4	.78	83.0	82.6	,,	0·8					
6 ,,	.756	.892	82 3	77.3	5.0	75 4	.80	82.2	82 5	,,	1·0					
7 ,,	.775	.945	81.6	76.5	5.1	74.1	.80	81.5	82.5	,,	0.6					
8 ,,	.786	.956	81.6	76.5	5.1	74.1	.80	81.4	82.4	,,	0.6					
9 ,,	.797	.913	81.2	77.5	3 7	76.1	.85	81.3	82.4	NNW	0.5					
10 ,,	.830	.939	80.6	77.5	3.1	76.3	.87	81.0	82 3	NW b W	0.4					
11 ,,	.847	.958	80.2	76.6	3.6	75.2	.85	80.6	82.2	,,	0.7					
Apr.27th-Midnight	.834	.987	80.6	76.4	4·2	74.7	.83	80.7	82.2	NW	0.0					
1 a. m.	.831	·925	81.0	78.0	3.0	76 8	.88	80.9	82.3	N	0.0					
2 ,,	·797	.922	80.9	77.2	3.7	75.8	.85	80.8	82.2	W b N	0.2					
3 ,,	.781	.892	80.4	77.4	3.0	76.3	.88	80.7	82.2	NW b W	0.3					
4 ,,	.781	.924	80.0	76.5	3.5	75 1	.86	80.5	82.2	,,	0.3					
5 ,,	·797	.949	79 8	76.2	3.6	74.8	.85	80.1	82·1	NW	0.2					
6 ,,	.813	.936	80.0	77.0	3.0	75.8	.88	80.3	82.1	,,	0.5					
7 ,,	·831	.931	81.5	78.0	3.5	76 6	.86	80.9	82.1	,,	0.4					
8 ,,	.842	.944	83.7	78 5	5.2	76.6	.80	82.2	82.3	,,	0.5					
9 ,,	.836	.912	85.5	79.6	5.9	77.5	.78	83.5	82.5	,,	0.7					
10 ,,	.829	.885	85.5	79.6	5.9	77.5	.78	83.8	82.6	NW b W	0·6					
11 ,,	.819	.887	86 3	78.0	8.3	77.7	.76	84.1	82.6	,,	0·6					
Noon.	.805	.879	86.8	80.0	6.8	77.5	.75	84.7	82.7	,,	0.7	None.	None.	None.	None.	None.
1 p. m.	.777	·825	85.7	80.3	5.4	78.4	.79	84.6	82.7	WNW	0.4					
2 ,,	·755	.827	86 6	80.0	6.6	77.6	.76	85.0	82.9	,,	0.4					
3 ,,	.737	.800	85.4	79.9	5.5	77.9	.79	84.6	82.9	,,	0.3					
4 ,,	.729	.800	84.2	79.4	4.8	77.6	.81	84.0	83.0	NW b W	0.4					
5 ,,	·737	.832	83.0	78.5	4.5	76.8	.82	82.9	82.9	,,	0.8					
6 ,,	.753	.881	82 3	77.5	4.8	75.6	.81	82.1	82.7	NW	0·6					
7 ,,	.775	·908	82.0	77.3	4.7	75.5	.81	81.3	82.7	,,	0·2					
8 ,,	.778	.900	81.8	77.5	4 3	75.9	.83	81.8	82.7	,,	0·4					
9 ,,	.802	.919	81.6	77.6	4.0	76.0	.84	81.6	82.6	,,	0·0					
10 ,,	.803	.903	81.5	78.0	3 5	76.6	.86	81.5	82.6	,,	0.0					
11 ,,	.803	.899	81.2	78.0	3.2	76.8	.87	81.4	82.6	,,	0·0					
Apr.28th-Midnight	.795	.882	80.4	78.0	2 4	77.1	.90	81.0	82.5	NW	0.0					
1 a. m.	.783	.866	80.4	78.2	2.2	77.2	.91	80.8	82.5	,,	0.1					
2 ,,	.759	.853	80.6	78.4	2 2	76.8	.91	80.9	82.5	,,	0.1					
3 ,,	.742	.790	80.6	79.0	1.6	78.4	.93	81.0	82.5	NW b W	0.3					
4 ,,	.743	.826	80.4	78 1	2.3	77.2	.90	81.0	82.5	,,	0.6					
5 ,,	.784	.927	80.0	76 5	3.5	75.1	.86	80.5	82.4	NW	0.0					
6 ,,	.796	925	79.8	76.8	3.0	75.6	.88	80.3	82 3	NW b N	0.0					
7 ,,	.827	.959	81.6	77.2	4.4	75.5	.83	81.0	82.3	NNE	0.0					
8 ,,	.834	.908	83.0	79.0	4.0	77.5	.84	82.0	82.4	NE b E	0·1					
9 ,,	.840	.893	83.6	79 7	4.1	78 2	.84	82.9	82.5	NW b W	0·1					
10 ,,	.847	.932	84.0	79.0	5·0	77.2	.81	83.0	82.6	NW	0.2					
11 ,,	.839	.895	85 2	80.0	5 2	78 1	.80	83.8	82.7	,,	0.3					
												A few drops.	None.	None.	None.	None.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≈ cirri; ≋ cirro-cumuli; ⌒ cumuli; ⌣ cirro-strati; ⌒≈ cumulo-strati; and ≋ nimbi.	
4	C	≋ scattered about, moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 82°5 and 82°8.
3	N	Light and dense ≋ scattered about, moving S.	
3	N	Clouded as before.	
3	N	≋ scattered about hor.	
2	N	" "	
5	B	≋ scattered along E hor.; ≈ lying here and there.	
6	B	≋ along W hor.; ≈ scattered throughout; mist along W hor.	
6	B	≋ and ≈ scattered about, the former moving SE; mist along W hor.	
7	B	≋ around hor., moving SE; ≈ scattered throughout; mist along W hor.	
7	C	≈ and ≋ scattered throughout, the latter moving SE.	
3	C	≈ and ≋ scattered about hor., the latter moving SE.	
0	C	A few ≈ along E hor.	
1	C	≈ scattered from NE to SE hor.	
2	N	≈ scattered around hor.	
2	N	⌒ in NE hor.; ≈ scattered around hor., except in S and SW.	
2	N	" " "	
2	N	⌒ along E hor.; ≈ scattered around hor.	
1	B	" "	
2	B	" "	
1	B	⌒ along E hor.; ≈ scattered in W, above hor.; continuous lightning in SE hor.	
1	B	⌒ and ≋ along E hor.; ≈ scattered in W hor.; lightning in SE at intervals of 15s.	
2	C	≈ scattered above E and W hor.; continuous lightning in NE, E, and SE hor.	
6	C	≈ along W hor.; dense ≋ scattered about, moving SE; continuous lightning along E hor.	
5	C	Dense ≋ scattered about, moving SE; continuous lightning along E hor.	
8	C	Overcast with dense ≋; lightning in ESE at intervals of 15s.	Mean daily temperature of ground 20 and 60 inches below its surface 82°6 and 82°8. The reading of Wet Bulb thermometer at 1 P. M. was 80°3, the greatest during the month, and about 1°4 greater than the Normal Mean.
6	N	Dense ≋ scattered about, whose motion was not apparent.	
4	N	≋ scattered about, moving E.	
4	N	" "	
5	N	" "	
8	B	Overcast with ≋, moving SE.	
7	B	Densely clouded with ≋, whose motion was not apparent.	
4	B	Dense ≋ scattered about, moving W.	
4	B	" " "	
3	C	≋ and ≈ scattered about hor.	
2	C	Patches of ≋ scattered about.	
5	C	≋ scattered about, moving W.	
5	C	" "	
8	N	≋ scattered throughout, moving NW; ≈ in S.	
8	N	Overcast with ≋, moving NNW.	
8	N	" "	
8	N	⌒ along E hor.; ≋ scattered throughout.	
7	B	" "	
7	B	⌒ along E hor.; ≋ scattered throughout, moving N.	
8	B	" " "	
6	B	≋ scattered throughout, moving N; lightning in E at intervals of 26s.	
4	C	≋ scattered in W hem.; ⌒ along E hor.; lightning in E at every 5s.	
4	C	Clouded as before; lightning in E hor. at long intervals.	
5	C	≋ scattered about; continuous lightning in E hor.	
4	C	≋ scattered about hor., moving SSE; lightning along E hor. at intervals of 10s.	Mean daily temperature of ground 20 and 60 inches below its surface 82°7 and 82°9.
4	N	≋ scattered about, moving SE.	
3	N	≋ scattered about hor	
2	N	Patches of ≋ scattered about.	
2	N	≋ scattered about hor.	
6	B	≋ scattered throughout, whose motion was not perceptible.	
7	B	Densely clouded with ≋.	
7	B	" "	
6	B	≋ scattered about.	
8	C	Overcast with ≋.	
8	C	" "	
8	C	" "	

Bombay Civil Time. 1860.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Strawson's Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Apr. 28th-Noon.	29.819	28.900	84°4	79°2	5°2	77°3	0.80	83°7	82.8	NW b W	0.2					
1 p. m.	.813	.932	83.8	78.1	5.7	76.0	.78	82.8	82.7	NW	0.1					
2 "	.783	.861	83.4	79.0	4.4	77.4	.83	82.8	82.7	"	0.1					
3 "	.760	.808	82.6	79.5	3.1	78.4	.87	82.7	82.7	WNW	0.1					
4 "	.730	.774	83.3	79.8	3.5	78.5	.86	82.8	82.7	"	0.1					
5 "	.760	.834	84.0	79.5	4.5	77.9	.83	83.0	82.8	W	0.1	A few drops.	None.	None.	None.	None.
6 "	.794	.865	82.7	79.0	3.7	77.4	.85	82.6	82.7	NW b W	0.1					
7 "	.810	.870	81.8	79.0	2.8	78.0	.89	82.0	82.7	"	0.0					
8 "	.827	.906	81.4	78.5	2.9	77.4	.80	81.7	82.7	"	0.0					
9 "	.827	.885	80.8	78.8	2.0	78.1	.90	81.7	82.6	SW b S	0.0					
10 "	.851	.928	80.2	78.2	2.0	77.4	.92	81.0	82.6	SW	0.0					
11 "	.847	.926	79.6	78.0	1.6	77.4	.93	80.5	82.5	"	0.0					
Apr. 30th-Midnight	.810	.886	80.5	78.3	2.2	77.5	.91	81.0	82.7	W	0.0					
1 a. m.	.804	.883	79.6	78.0	1.6	77.4	.93	80.6	82.6	"	0.0					
2 "	.793	.866	79.8	78.2	1.6	77.6	.93	80.6	82.6	"	0.0					
3 "	.789	.895	79.2	77.2	2.0	76.4	.92	80.3	82.5	"	0.0					
4 "	.785	.890	78.4	77.0	1.4	76.5	.94	79.7	82.4	"	0.0					
5 "	.795	.898	78.2	77.0	1.2	76.5	.95	79.5	82.5	"	0.0					
6 "	.816	.924	78.6	77.0	1.6	76.4	.93	79.8	82.3	"	0.0					
7 "	.841	.929	81.2	78.2	3.0	77.0	.88	80.8	82.4	"	0.0					
8 "	.855	.960	82.0	78.0	4.0	76.5	.84	81.7	82.5	NW b W	0.1					
9 "	.867	.991	83.7	78.0	5.7	75.8	.78	82.2	82.6	NW	0.1					
10 "	.857	.974	85.0	78.5	6.5	76.0	.75	83.2	82.7	"	0.1					
11 "	.828	.938	86.3	79.0	7.3	76.3	.73	84.0	82.9	W b N	0.1	None.	None.	None.	None.	None.
Noon.	.812	.930	87.7	79.2	8.5	76.0	.69	84.9	83.0	WNW	0.1					
1 p. m.	.763	.866	87.6	79.5	8.1	76.5	.71	85.2	83.1	"	0.2					
2 "	.743	.827	85.4	79.4	6.0	77.2	.77	84.3	83.1	"	0.6					
3 "	.726	.787	86.4	80.2	6.2	78.0	.77	84.9	83.1	NW b W	0.5					
4 "	.704	.771	86.2	80.0	6.2	77.8	.77	84.8	83.2	"	0.8					
5 "	.707	.759	84.8	80.0	4.8	78.3	.81	84.2	83.2	"	0.5					
6 "	.724	.773	83.8	79.8	4.0	78.4	.84	83.8	83.2	NW	0.5					
7 "	.750	.784	83.2	80.0	3.2	78.9	.87	83.0	83.2	NW	0.4					
8 "	.771	.702	82.9	80.0	2.9	79.9	.88	82.9	83.2	NW b W	0.2					
9 "	.803	.832	82.7	80.0	2.7	79.0	.89	82.7	83.2	"	0.1					
10 "	.807	.836	82.7	80.0	2.7	79.0	.89	82.7	83.1	"	0.1					
11 "	.799	.824	82.4	80.0	2.4	79.2	.90	82.3	83.1	W b N	0.0					
May 1st-Midnight	.793	.814	82.0	80.0	2.0	79.3	.92	82.1	83.0	W	0.2		—	Out of Sc.	100	Instantly.
1 a. m.	.770	.804	81.7	79.6	2.1	78.9	.91	82.0	83.0	NW b W	0.2		—	Out of Sc.	Out of Sc.	Instantly.
2 "	.759	.792	81.2	79.5	1.7	78.9	.93	81.6	82.9	W	0.3					
3 "	.753	.801	80.6	79.0	1.6	78.4	.93	81.3	82.9	"	0.0					
4 "	.763	.811	80.6	79.0	1.6	78.4	.93	81.2	82.9	NNE	0.0					
5 "	.777	.824	80.5	79.0	1.5	78.4	.94	81.1	82.9	ENE	0.0					
6 "	.803	.858	80.5	78.8	1.7	78.2	.91	81.2	82.8	S	0.1		+	1		Above 10m.
7 "	.837	.848	83.0	80.5	2.5	79.6	.90	82.1	82.9	SSW	0.1					
8 "	.856	.861	83.7	80.8	2.9	79.8	.88	83.0	83.0	S b W	0.2					
9 "	.861	.872	86.2	81.3	4.9	79.6	.81	84.5	83.2	SW	0.1					
10 "	.861	.902	87.7	81.0	6.7	78.6	.75	85.0	83.4	"	0.1					
11 "	.833	.872	88.4	81.2	7.2	78.7	.74	85.4	83.5	SW b W	0.1					
Noon.	.814	.862	89.2	81.2	8.0	78.4	.71	85.9	83.7	W	0.2					
1 p. m.	.781	.836	89.8	81.2	8.6	78.2	.70	86.3	83.9	"	0.2					
2 "	.756	.805	90.0	81.4	8.6	78.4	.70	86.8	84.0	WNW	0.3					
3 "	.726	.785	89.4	81.0	8.4	78.0	.70	86.8	84.0	"	0.4	Less than one cent.				
4 "	.711	.759	88.4	81.0	7.4	78.4	.73	86.4	84.0	"	0.6					
5 "	.714	.746	86.2	80.8	5.4	78.9	.80	85.4	83.8	"	0.5					
6 "	.730	.754	84.6	80.6	4.0	79.2	.84	84.0	83.7	"	0.4					
7 "	.751	.769	83.7	80.5	3.2	79.4	.87	83.9	83.7	"	0.2					
8 "	.771	.790	83.4	80.4	3.0	79.4	.88	83.5	83.7	"	0.3					
9 "	.790	.822	83.0	80.0	3.0	78.9	.88	83.1	83.7	NW	0.1					
10 "	.787	.817	82.8	80.0	2.8	79.0	.89	83.0	83.6	"	0.0					
11 "	.777	.840	82.7	79.2	3.5	77.9	.86	82.7	83.6	"	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≤≤ cirro-cumuli; ⌒ cumuli; ⌣ cirro-strati; ⌒≤ cumulo-strati; and ≤≤ nimbi.	
8	C	Overcast with ≤≤, moving SSE; a few drops of rain at 12h. 45m.	
8	G	Overcast with ≤≤ and ≤≤, in two strata, the lower stratum of ≤≤ moving SE; drops of rain.	
8	G	Overcast with ≤≤ and ≤, the former moving SE; ⌒ along SE hor.; breaks in W.	
8	G	⌒ along E hor.; ≤ and ≤≤ scattered throughout, the latter moving NE.	
8	G	⌒ along E hor.; ≤ and ≤≤ scattered throughout, moving SE.	
6	B	⌒ along E hor.; ≤ in E hem.; ≤≤ scattered throughout, moving SE.	
6	B	" " " "	
2	B	≤ from N to SE hor.; ≤≤ scattered from SW to N hor.	
1	B	Patches of ≤≤ scattered here and there; lightning in ESE hor.	
0	B	A few clouds along E hor.; lightning in E hor., at intervals of 40s.	
1	B	≤ scattered in E and S hor.; lightning in ESE. hor., at intervals of 1m. 5s.; dew falling.	
7	B	Densely clouded with ≤≤, moving NE; dew falling.	
0	B	A few pieces of ≤≤ scattered here and there, moving E; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 83°0 and 83°1.
1	C	Patches of ≤≤ scattered about E and W hor., moving SE; dew falling.	
2	C	≤≤ scattered about hor.; dew falling.	
1	C	Patches of ≤≤ in W; dew falling.	
0	C	A few pieces of clouds above S and W hor.; dew falling.	
4	N	≤≤ around hor.; ≤≤ scattered about, moving N; dew falling.	
4	N	≤≤ and ≤ around hor.; ≤≤ scattered about, moving E.	
6	N	≤, ≤≤, and ≤≤ scattered throughout, the latter moving SSW.	
5	N	≤ and ≤≤ scattered about.	
6	B	A few ≤ in E hor.; ≤≤ scattered throughout.	
7	B	≤ and ≤≤ scattered throughout.	
7	B	" "	
7	B	" "	
7	C	⌒ along E hor.; ≤≤ scattered throughout.	
8	C	" "	
7	C	" "	
7	C	" "	
4	N	⌒ along E hor.; ≤≤ scattered about.	
7	N	≤ and ≤≤ scattered throughout, both moving NNW.	
7	N	≤ and ≤≤ scattered throughout, both moving N.	
8	N	Overcast with ≤ and ≤≤, both moving NNW; lightning in E hor. at intervals of 17s.	
7	B	Dense ≤≤ scattered throughout, moving NNW; lightning in E hor.	
7	B	Dense ≤≤ and loose masses of ≤≤, moving N; lightning and thunder in NE, at intervals of about 1m.	
7	B	Clouded as before; lightning in N and SE; thunder in N, at intervals of 1½m.	
7	B	[big drops of rain commenced to fall at 0h. 5m.. ≤≤ and ≤≤ scattered throughout, both moving N; lightning in N and NE; thunder in N, at intervals of 3m. 18s.;	Mean daily temperature of ground 20 and 60 inches below its surface 83°0 and 83°1.
8	C	Overcast with ≤≤ and ≤≤, both moving N; lightning and thunder in WNW, at intervals of 5m. 24s.; rain ceased at [1h. 8m.	
8	C	Overcast with ≤≤, moving N; breaks in S.	
6	C	≤≤ scattered about, moving N.	
6	C	" "	
6	N	≤≤ and ≤≤ scattered throughout, the former moving N.	
7	N	" " "	
7	B	" " "	
6	N	" " "	
4	N	≤≤ and ≤ scattered about hor.; loose masses of ≤≤ floating NE.	
1	B	≤≤ scattered around hor. and in NW.	
0	B	A few pieces of ≤≤ scattered about, moving NE.	
1	B	Patches of ≤≤ scattered about, moving ENE.	
1	C	" " "	
1	C	≤≤ scattered about hor., moving E.	
1	C	⌒ along E hor., otherwise cloudless.	
0	C	⌒ and a few pieces of ≤≤ along E hor.	
1	N	⌒ along E hor.; ≤≤ scattered around hor.	
2	N	⌒ along E hor.; ≤≤ and light ≤≤ scattered about, moving NNE.	
3	N	≤≤ and light ≤≤ scattered about, the latter moving E.	
6	N	≤≤ scattered throughout, moving N.	
6	B	" "	
8	B	Densely clouded with ≤≤, moving N.	
7	B	" "	

Bombay Civil Time. 1860.	Standard Barometer.		Thermometers.			Deduced Dew-Point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
May 2nd-Midnight	29.755	28.820	82·2	79·0	3·2	77·3	0.87	82·4	83·5	NW	0.1					
1 a. m.	.730	.793	82.0	79·0	3.0	77.9	.88	82.1	83.5	,,	0·0					
2 ,,	.722	.774	81.0	79.0	2.0	78.3	.92	81.7	83.4	N	0.0					
3 ,,	.717	.746	81.2	79.6	1.6	79.0	.93	81.7	83.4	N b E	0.0		+	2		1.14
4 ,,	.710	.766	80.6	78.8	1.8	78.1	.92	81.1	83·3	NNE	0.0		+	1		1.00
5 ,,	.718	.768	80.1	78.8	1.3	78.3	.95	81.0	83.2	,,	0·0					
6 ,,	.743	·780	80.4	79.2	1.2	78.8	.95	81.1	83.2	,,	0.0					
7 ,,	.771	.797	83.2	80.2	3.0	79.1	.88	82.5	83.3	NE	0·0					
8 ,,	.785	.787	85.2	81.2	4.0	79.8	.84	84.0	83.4	S b W	0.1					
9 ,,	.797	.805	86.7	81.5	5.2	79.7	.81	84.8	83.5	SW	0·1					
10 ,,	.796	.840	88.0	81.0	7.0	78·5	.74	85.3	83.6	,,	0.1					
11 ,,	·778	.816	89.0	81.4	7.6	78.7	.73	86.0	83·8	W b S	0·1	None.			None.	
Noon.	.758	.794	90.4	81.8	8.6	78.8	.70	86.8	84.0	W	0·1					
1 p. m.	.711	.761	91.0	81.6	9.4	78.3	.67	87.2	84.1	W b S	0·1					
2 ,,	.687	.775	92.1	81·0	11.1	77.0	.63	88.4	84.4	W	0.2				None.	
3 ,,	.646	.816	91.7	79.0	12.7	74.1	.58	88.1	84.5	WNW	0·5					
4 ,,	.630	.795	91.0	79.0	12.3	74.3	.59	88.1	84.5	,,	0.6					
5 ,,	.629	.756	89.4	79.4	10.0	75.7	.65	87.5	84.6	,,	1·2					
6 ,,	.640	.728	86.6	79.6	7.0	77.1	.74	86·0	84.4	,,	1.5					
7 ,,	.660	.723	85.1	79.8	5.3	77.9	.80	85.0	84.2	,,	1.5					
8 ,,	.691	.811	84.5	78.3	6.2	75.9	.76	84.3	84.2	,,	0.5					
9 ,,	.701	.791	84.5	79.0	5.5	77.0	.79	84.1	84.2	WNW	1.4					
10 ,,	.715	.834	84.0	78.2	5.8	76·0	.78	83.7	84.2	,,	1.5					
11 ,,	.716	.872	83·0	78.0	5.0	76.1	.80	83.1	84.1	NW b N	0.2					
May 3rd-Midnight	.703	.848	82.7	77.2	5.5	75.0	.79	82.8	84.0	NW	0.2					
1 a. m.	.686	.865	82.6	76.3	6.3	73.8	.76	82.6	84.0	,,	0.5					
2 ,,	.674	.864	82.5	76.0	6.5	73.3	.75	82.5	84.0	,,	0.4					
3 ,,	.672	.864	82.0	75.8	6.2	73.3	.76	82.1	83.9	N	0.0					
4 ,,	.670	.882	81.0	75.0	6.0	72.5	.76	81.2	83.7	,,	0.0					
5 ,,	.675	.881	80·8	74.8	6.0	72.8	.76	81·0	83.5	NW	0.0					
6 ,,	.708	.915	80.5	75.0	5.5	72.7	.78	81.0	83.4	NW b N	0.0					
7 ,,	.740	.935	85.1	76.6	8.5	73.2	.68	83·4	83.5	,,	0.0					
8 ,,	.763	.834	86.9	80.1	6.8	77.6	.75	84.9	83.7	N	0.1					
9 ,,	.776	.882	87.0	79·3	7.7	76.3	.72	86.0	83.8	,,	0.2					
10 ,,	.784	.913	88.0	79.0	9.0	75.6	.68	86.0	84·0	W	0.2					
11 ,,	.774	.872	89·0	80.0	9.0	76.9	.68	86.3	84.1	,,	0.1	None.	None.	None.	None.	None.
Noon.	.767	.878	89.4	79.8	9.6	76.3	.66	86.5	84.3	,,	0.2					
1 p. m.	.739	.890	90.0	79.0	11.0	74.8	.62	87.0	84.3	,,	0.4					
2 ,,	.710	.855	90.2	79.2	11.0	75.0	.62	87.3	84.5	,,	0.6					
3 ,,	.699	.852	90·2	79.0	11.2	74.7	.62	87.3	84.5	,,	0.4					
4 ,,	.689	.807	89.7	79·7	10.0	76.0	.65	87.0	84.5	W b S	0.3					
5 ,,	.696	.826	87.0	78.7	8.3	75.7	.70	86.0	84.5	,,	0.2					
6 ,,	.703	.827	84.5	78.2	6.3	75.8	.76	84·8	84.4	W	0.3					
7 ,,	.715	.831	83.0	78.0	5.0	76.1	.80	83.5	84.2	,,	0.3					
8 ,,	.736	.875	82.6	77.3	5·3	75.2	.79	83.0	84.2	W b N	0.3					
9 ,,	.749	.850	82.5	78.0	4.5	76.3	.83	82.6	84·0	,,	0.3					
10 ,,	.755	.860	82.0	78·0	4.0	76.5	.84	82.4	84.0	WNW	0.5					
11 ,,	.753	.854	81.6	78.0	3.6	76.6	.86	82.1	83.9	NW	0.5					
May 4th-Midnight	.742	.838	81.2	78.0	3.2	76.8	.87	81.6	83.8	NW	0.3					
1 a. m.	.726	.828	80.6	77.7	2.9	76.6	.88	81.0	83.7	,,	0.2					
2 ,,	.721	.848	80.4	77.0	3.4	75.7	.86	81.0	83.5	,,	0·1					
3 ,,	.721	.841	79.7	77.0	2.7	75.9	.89	80.4	83.3	N b W	0.0					
4 ,,	.724	.862	79.2	76.4	2.8	75.3	.88	80.0	83.2	,,	0.0	None.			None.	
5 ,,	.735	.870	78.8	76.2	2.6	75.4	.89	79.0	83.2	N	0.1					
6 ,,	.759	.906	78.6	76.0	2.6	75.0	.89	79.8	83.1	,,	0.1					
7 ,,	.795	.947	81.6	76.7	4.9	74.8	.81	81.3	83.2	,,	0·1					
8 ,,	.816	.949	84.5	78.0	6.5	75.5	.76	83.3	83.4	NNW	0.1		+	1		Above 10m.
9 ,,	.833	.949	86.8	79.0	7.8	76.1	.71	84.2	83.6	NW	0·1					
10 ,,	.836	.938	87.5	79.5	8.0	76.6	.71	84.9	83.7	W b N	0.3					
11 ,,	.825	.930	87.8	79.5	8.3	76.5	.70	85.2	83.8	W	0.3					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ⌒≀ cumuli; ⌣≀ cirro-strati; ⌒⌣≀ cumulo-strati; and ⌣≀ nimbi.	
6	B	≀≀ scattered throughout, moving NNW.	Mean daily temperature of ground 20 and 60 inches below its surface 83°3 and 83°1. Height of Barometer at 5 P. M. was 29·629in., lowest in the month, and about 0·115 in. lower than the Normal Mean.
6	C	≀≀ scattered throughout, moving NW.	
5	C	Clouded as before; dew falling.	
1	C	≀≀ scattered around hor.; dew falling.	
0	C	A few pieces of ≀≀ above S hor.; dew falling.	
1	N	≀≀ scattered about hor. from NNE to SSE, and in W; dew falling.	
3	N	≀≀ scattered in W and E, above hor.	
0	B	≀≀ scattered along W hor.	
1	N	≀≀ scattered about; moving NNE.	
5	N	≀≀ scattered around hor.	
2	B	" "	
1	B	A few pieces of ≀≀ in E hor.	
0	B	Clear.	
0	C	"	
0	C	A few ⌒≀ along E hor.	
0	C	" "	
1	C	⌒≀ scattered along E hor.	
1	N	" "	
1	N	" "	
1	N	" "	
0	N	Clear, except in hor.	
0	B	" "	
0	B	" "	
0	B	" "	
0	B	Clear, except in hor.	Mean daily temperature of ground 20 and 60 inches below its surface 83°2 and 83°1. Temperature of Evaporation at 5 A. M. was 74°8, lowest in the month, and about 1°4 lower than the Normal Mean.
0	C	" "	
0	C	" "	
0	C	" "	
0	C	" "	
1	N	≀ scattered about hor. from E to S.	
3	N	Light ≀ and a few pieces of ≀≀ scattered here and there; mist along E hor.	
1	B	A few ≀≀ scattered here and there; light ≀ above E hor.	
2	N	≀≀ scattered in E hem.	
1	N	Pieces of ≀≀ and ≀ scattered in E hem.	
0	B	Pieces of ≀≀ in E hem.	
1	B	≀≀ scattered along E hor.	
0	B	Clear.	
0	C	A few pieces of clouds above E hor.	
0	C	Clear.	
0	C	"	
0	C	"	
0	N	"	
0	N	A few ≀ above W and NW hor.	
1	N	≀ scattered about W, NW, E, and SE hor.	
0	N	≀ scattered in E and SE hor.	
1	B	≀ scattered along E hor.	
1	B	≀ scattered here and there, moving SW.	
1	B	≀ scattered here and there, moving SE.	
6	B	≀ scattered about, moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 83°2 and 83°1.
5	C	" "	
3	C	≀ scattered about hor., moving SE.	
4	C	≀ scattered about, moving SSE; dew falling.	
4	C	" " " "	
4	N	≀ in NE and N; ≀≀ scattered about; moving S.	
4	N	≀ along E hor.; ≀≀ scattered about, moving S.	
3	B	≀≀ scattered about; moving S.	
3	N	" "	
2	B	≀ above S hor., ≀≀ scattered around hor.	
1	B	≀≀ scattered along E hor.	
1	B	" "	

Bombay Civil Time. 1860.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
May 4th-Noon.	29.811	28.915	88°4	79°7	8°7	76°5	0.69	85°6	83·9	W	0.3					
1 p. m.	.769	.970	89.6	80.1	9.5	76.6	.67	86.2	84.0	WSW	0.2					
2 „	.751	.859	90.0	80.0	10.0	76.3	.65	86.8	84.2	W b S	0.3					
3 „	.740	.846	89.8	80.0	9.8	76.3	.66	86.9	84.3	„	0.3					
4 „	.730	.859	88.7	79.2	9.5	75.6	.67	86.3	84.4	W b S	0.2	None.	None.	None.	None.	None.
5 „	.725	.840	86.8	79.1	7.7	76.4	.72	85.8	84.4	W	0.3					
6 „	.742	.876	84.6	78.1	6.5	75.4	.75	84.8	84.2	„	0.3					
7 „	.755	.887	83.0	77.6	5.4	75.5	.80	83.3	84.1	„	2.3					
8 „	.771	.890	82.5	77.8	4.7	76.0	.81	83.0	84.0	„	0·2					
9 „	.785	.923	82.1	77.2	4.9	75.3	.81	82.6	83.8	WNW	0·2					
10 „	.793	.935	81.7	77.0	4.7	75.1	.81	82.0	83.7	„	0.1					
11 „	.786	.924	81.4	77.0	4.4	75.3	.82	81.9	83.7	„	0.1					
May 5th-Midnight	.776	.910	81.0	77.0	4.0	75.4	.84	81.5	83.7	NW b W	0.1		+	4		Above 10m.
1 a. m.	.762	.888	80.3	77·0	3.3	75.7	.86	81.1	83.5	NW	0.0		+ +	3		5.18
2 „	.753	.900	80.0	76.4	3.6	75.0	.85	81.0	83.4	„	0.0		+ +	2		Above 10m.
3 „	.754	.909	79·4	76.0	3.4	74.7	.86	80.4	83.2	„	0.0		+	2		Above 10m.
4 „	.763	·903	78.4	75.4	3.0	75.2	.87	79.7	83.0	N b W	0.0					
5 „	.757	.924	78.4	75.8	2.6	74.2	.89	79.2	82·8	„	0.0					
6 „	.776	.924	78.6	76.0	2.6	75.0	.89	79.5	83.0	„	0.0					
7 „	.790	·927	82.0	77·2	4.8	75·3	.81	81.4	83.1	„	0.0					
8 „	.808	·948	84.4	77.8	6.6	75.2	.75	83.0	83.3	NW	0.1					
9 „	.815	.937	85.4	78.5	6.9	75.9	.74	83.5	83.4	„	0.1					
10 „	.804	.909	85.8	79.0	6.8	76.5	.75	83.9	83.5	„	0·3	None.			None.	
11 „	.795	.909	86·6	79.0	7.6	76.1	.72	84.6	83.5	NW b W	0.5					
Noon.	.786	.898	87.2	79.2	8.0	76·2	.71	84.9	83.6	WNW	0.7					
1 p. m.	.784	.861	88.7	80.4	8.3	77.4	.70	85.5	83.7	W	0·6					
2 „	·765	.829	89.8	81.0	8.8	77.9	.69	86.4	83.9	W b S	0.4					
3 „	.746	.812	90.0	81·0	9.0	77.8	.68	86·9	84·2	WSW	0.4					
4 „	.739	.828	89.0	80.2	8.8	77.0	.69	86.5	84.3	W b S	0.4					
5 „	.745	.817	86.7	80.0	6.7	77.6	.75	85.5	84.2	WSW	0.2					
6 „	.758	.852	84.8	79.0	5.8	76.8	.78	84.3	84.1	„	0.1					
7 „	·766	.842	83·2	79·0	4.2	77.5	.83	83.7	84.0	„	0·1					
8 „	.777	.838	82.6	79.2	3.4	78.0	.86	83.0	83.9	W	0.1					
9 „	.797	.862	82.2	79.0	3.2	77.8	.87	82.7	83.8	„	0.1					
10 „	.811	.870	82.0	79.1	2.9	78.0	.88	82.4	83.7	„	0.1					
11 „	.805	·862	81·8	79.1	2.7	78.1	.89	82.2	83.7	W b N	0·1					
May 7th-Midnight	.816	.914	81.4	78.0	3.4	76.7	.86	81.9	83.7	W b S	0.0					
1 a. m.	.800	.895	81.1	78.0	3.1	76.8	.87	81.7	83·6	W	0.0					
2 „	.787	.906	80.6	77.2	3.4	76.0	.86	81.4	83.4	„	0.0					
3 „	.771	.888	80.4	77.0	3.4	75.9	.86	81.0	83.2	NW	0·0					
4 „	.783	.892	79.6	77.0	2.6	76.3	·89	80.4	83.0	NNW	0.0		+	2		1.12
5 „	.793	.872	79.6	78.0	1.6	77.4	.93	80.4	83.1	„	0.0		+ +	2		0.38
6 „	.811	.926	79.6	77.1	2·5	76.1	·89	80.4	83·2	„	0.0		+	10		0.12
7 „	.848	.966	82.4	77.8	4.6	76.0	·82	81.9	83.3	„	0.0					
8 „	.870	.978	83·0	78.2	4.8	76.4	.81	83.7	83.4	NE	0.0					
9 „	.872	.956	84.0	79.1	4.9	77.2	·81	83.0	83.5	W	0.1	None.			None.	
10 „	.881	.982	86.2	79.2	7.0	76.6	.74	84.0	83.6	WNW	0.1					
11 „	.870	.990	87.2	79.0	8·2	75.9	.70	84.6	83.7	W	0.1					
Noon.	.858	.978	88·3	79.3	9.0	75.9	.68	85.2	83.9	WSW	0.1					
1 p. m.	.820	.928	89.2	79.8	9.4	76.4	.67	85.8	84.0	SW b W	0.1					
2 „	.791	.899	90.0	80.0	10.0	76.4	.65	86.2	84.1	W	0.2					
3 „	.777	.880	89.5	80.0	9.5	76.5	.67	86.6	84.3	„	0.4		+	1		Above 10m.
4 „	.757	.891	88.8	79.1	9.7	75.4	.66	86.3	84.3	„	0.4					
5 „	.765	·862	86.6	79.4	7.2	76.7	.70	85.8	84.3	W b N	0.5					
6 „	.788	.885	84.7	78.9	5.8	76.7	.78	84.6	84.3	„	0.3					
7 „	.792	.872	83.5	79.0	4.5	77.3	.82	83.8	84.1	„	0.3					
8 „	.806	.879	82.8	79.0	3.8	77.6	.85	83.1	84.0	„	0.2					
9 „	.828	.909	82.5	78.7	3.8	77.3	.85	82.9	84.0	W	0.1					
10 „	.845	.928	82.2	78·5	3.7	77.2	.85	82.7	84.0	„	0.1					
11 „	.845	.940	81.8	78.2	3·6	76.8	.86	82.3	83.9	„	0.0					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Nota.—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≤≥ cirro-cumuli; ≥ cumuli; ≤— cirro-strati; ≥— cumulo-strati; and ≥≤ nimbi.	
1	B	≤ and ≤≥ scattered along E hor.	
1	C	" "	
1	C	" "	
0	C	A few pieces of ≤≥ and ≤ along E hor.	
0	C	A few ≤ in N hor., otherwise cloudless.	
0	N	Clear.	
0	N	A few clouds, moving E.	
0	N	Clear.	
0	N	"	
0	B	"	
0	B	"	
0	B	"	
0	B	A few clouds in S and SW.	Mean daily temperature of ground 20 and 60 inches below its surface 83°4 and 83°3. The temperature of Free Air at 5 A. M. was 78°4, lowest in the month, and about 1°2 lower than the Normal Mean.
1	C	Light ≤≥ scattered about hor. from SE to NW.	
0	C	Pieces of ≤≥ scattered here and there, moving SE.	
1	C	Patches of ≤≥ scattered about, moving SE; dew falling.	
4	C	≤≥ scattered about, moving SE; dew falling.	
1	N	≤ and ≤≥ scattered around hor.; dew falling.	
1	N	" " "	
1	N	A few ≤ and ≤≥ scattered around hor.	
1	N	≤≥ scattered along W hor.; moving SSE.	
1	C	" " "	
0	C	A few pieces of ≤≥ in W hor.	
0	C	Clear.	
0	C	"	
0	B	A few pieces of ≤≥ in E hor.	
0	B	Clear.	
0	B	"	
0	B	A few clouds in E.	
1	C	≤≥ scattered about hor. from N to S, moving ESE.	
0	C	A few pieces of ≤≥ in E hor.	
1	C	≤≥ scattered about hor. from N to S.	
2	C	≤≥ scattered about, moving E.	
4	C	" "	
6	C	" "	
6	C	" "	
1	B	≤≥ scattered about hor. from NE to S.	Mean daily temperature of ground 20 and 60 inches below its surface 83°6 and 83°4. Reading of Barometer corrected for temperature at 10 A. M. was 29·881 in., highest in the month, but only 0·048 in. higher than the Normal Mean.
6	C	≥≤ like clouds scattered about, moving ESE.	
6	C	≥≤ like clouds scattered about, moving SE.	
5	C	" " "	
7	C	≤≥ scattered throughout, moving WNW.	
7	N	≤≥ and ≥≤ scattered about, moving S.	
5	N	≤≥ around hor.; light ≥≤ scattered about, moving S.	
7	B	≤≥ and ≥≤ scattered about, both moving SE.	
7	N	≤≥ and ≥≤ scattered about hor., both moving S.	
3	N	≥≤ along E hor.; ≤≥ scattered about W hor.	
2	B	" " "	
1	B	≥≤ in N hor.; ≤≥ scattered about W hor.	
0	B	A few ≤ and ≤≥ in E hor.	
0	C	A few ≤ in E hor.	
0	C	" "	
2	C	≤≥ scattered about hor.	
2	C	" "	
2	N	≥ and ≤≥ scattered along E hor.	
3	N	≥ and ≤≥ scattered around hor.	
2	N	" "	
0	N	Clear, except in hor.	
1	B	≤≥ scattered along E hor.	
1	B	" "	
2	B	" "	

Bombay Civil Time. 1860.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet-Bulb Thermometer.	Depression of Wet-Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of insulation after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
May 8th-Midnight	29.835	28.935	81°5	78°0	3°5	76°6	0.86	82°1	83°8	W	0.0					
1 a. m.	.816	.906	81·4	78.2	3.2	77.0	.87	82.0	83.8	„	0.1					
2 „	.804	.951	80·8	77.7	3.1	76.5	.87	81.7	83.7	„	0.0					
3 „	.799	.920	80.6	77.2	3.4	75.9	.86	81.1	83.6	NW	0.0					
4 „	.806	.929	80.0	77.0	3.0	75.8	.88	80.8	83.5	NNW	0.1					
5 „	.800	.915	79.6	77.1	2.5	76.1	.90	80.5	83.4	N b W	0.1					
6 „	.820	.940	79.8	77.1	2.7	75.9	.89	80.6	83.4	„	0.1					
7 „	.837	.977	83.0	77.4	2.4	75.2	.78	82.1	83.4	N	0.1					
8 „	.856	29.024	83.8	76.9	6.9	74.2	.74	83.0	83.5	N b W	0.1					
9 „	.872	.016	84.8	77.8	7.0	75.1	.74	83.6	83.6	NW	0.1					
10 „	.876	.000	87.5	79.0	8.5	75.8	.70	85.0	83.7	NW b W	0.1					
11 „	.867	28.986	89.0	79.5	9.5	76.0	.67	86.0	84.0	WNW	0.2	None.	None.	None.	None.	None.
Noon.	.852	.931	89.2	80.5	8.7	77.4	.67	86.2	84.1	„	0.1					
1 p. m.	.832	.902	90.4	81.0	9.4	77.7	.67	86.7	84.3	W b N	0.2					
2 „	.808	.882	89.1	80.6	8.5	77.5	.70	86.8	84.4	„	0.4					
3 „	.784	.842	89.3	81.0	8.3	78.1	.70	86.9	84.4	W	0.3					
4 „	.765	.816	87.8	80.8	7.0	78.3	.74	86.5	84.4	„	0.4					
5 „	.767	.823	86.4	80.3	6.1	78.1	.77	85.7	84.3	„	0.3					
6 „	.770	.823	84.0	79 1	4.9	78.2	.81	84.5	84.4	„	0.2					
7 „	.772	.846	83.0	79.0	4.0	77.5	.84	83.3	84.4	„	0.2					
8 „	.793	.863	82.6	79.0	3.6	77.7	.86	83.0	84.3	„	0.1					
9 „	.820	.904	82.0	78.5	3.5	77.2	.86	82.5	84.1	WNW	0.1					
10 „	.830	.914	82.0	78.5	3.5	77.2	.86	82.4	84.1	„	0.1					
11 „	.824	.885	81.8	79.0	2.8	78.0	.89	82.3	84.0	„	0.1					
May 9th-Midnight	.820	.879	81.6	79.0	2.6	78.0	.88	82.1	84.0	WNW	0.1					
1 a. m.	.810	.883	81.4	78.6	2.8	77.6	.89	82.0	84.0	„	0.1					
2 „	.796	.852	81.4	79.0	2.4	78.1	.90	82.0	84.0	„	0.0					
3 „	.808	.862	81.2	79.0	2.2	78.2	.91	82.0	84.0	„	0.0					
4 „	.808	.876	81.0	78.6	2.4	77.7	.90	81.8	83.9	„	0.0					
5 „	.810	.866	80·6	78.8	1.8	78.1	.93	81·5	83.7	„	0.0					
6 „	.828	.862	81.3	79.5	1.8	78.9	.93	81.8	83.6	„	0.0					
7 „	.847	.906	83.6	79.5	4.1	78.0	.84	83.0	83.7	„	0.0					
8 „	.858	.951	84.7	79.0	5.7	76.9	.78	83.8	83.9	W	0.0					
9 „	.855	.940	86.3	79.6	6.7	77.2	.75	84.3	84.1	WNW	0.1					
10 „	.863	.947	87.7	80.0	7.7	77.2	.72	84.8	84.3	W	0·1					
11 „	.855	.934	89.2	80.5	8.7	77.4	.69	86.0	84.4	SW	0.1	None.	None.	None.	None.	None.
Noon.	.833	.922	89.8	80.4	9.4	77.0	.67	86.5	84.5	SW bW	0.1					
1 p. m.	.802	.887	89.3	80.4	8.9	77.2	.68	86.6	84.4	WSW	0.1					
2 „	.791	.878	88.0	80.0	8.0	77.1	.71	86.2	84.4	SW b S	0.1					
3 „	.764	.867	86.4	79.2	7.2	76.5	.73	85.2	84.4	WSW	0.2					
4 „	.752	.836	85.4	79.4	6.0	77.2	.77	84.9	84.5	W	0.2					
5 „	.754	.871	85.4	78.6	6.8	76.0	.74	84.8	84.5	„	0.1					
6 „	.766	.822	85.2	80.0	5.2	78.1	.80	85.0	84.3	SW	0.1					
7 „	.778	.833	83.6	79.6	4.0	78.2	.84	83.8	84.2	WSW	0.1					
8 „	.792	.835	83.1	79.1	4.0	77.6	.84	83.4	84.2	W	0.1					
9 „	.803	.863	82.8	79.3	3.5	78.0	.85	83.0	84.2	„	0.1					
10 „	.808	.878	82.6	79.0	3.6	77.7	.85	83.0	84.2	„	0·1					
11 „	.804	.861	82.2	79.2	3.0	78.1	.88	82.6	84.2	„	0.1					
May 10th-Midnight	.795	.858	82.0	79.0	3.0	77.9	.88	82.4	84.1	W	0.0					
1 a. m.	.793	.858	81.4	78.8	2.6	77.8	.89	82.0	84.0	W b N	0.0					
2 „	.784	.864	80.8	78.3	2.5	77.3	.90	81.6	84.0	„	0.0					
3 „	.785	.872	80.4	78.0	2.4	77.1	.90	81.4	83.9	„	0.0					
4 „	.788	.871	80.0	78.0	2.0	77.2	.92	81.0	83.8	„	0.0					
5 „	.793	.882	80.4	77.9	2.5	77.0	.90	81.1	83.7	„	0.1					
6 „	.812	.910	80.6	77.8	2.8	76.7	.89	81.2	83.6	„	0.1	None.	None.	None.	None.	None.
7 „	.832	.939	82.2	78.0	4.2	76.4	.83	82.0	83.7	„	0.1					
8 „	.851	.946	84.2	78.8	5.4	76.8	.79	83.3	83.8	WNW	0.1					
9 „	.865	.971	85.9	79.0	6.9	76.4	.74	84.0	83.9	„	0.2					
10 „	.870	.988	87.0	79.0	8.0	76.0	.71	85.0	84.0	W b N	0.1					
11 „	.858	.951	88.5	80.0	8.5	76.9	.69	85.4	84.2	WSW	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩≀ cumulo-strati; and ≀≀≀ nimbi.	
2	B	≀≀ scattered along E hor.	Mean daily temperature of ground 20 and 60 inches below its surface 83°8 and 83°6.
2	N	" "	
2	C	" "	
5	C	≀ from NE to SW hor.; ≀≀ scattered about.	
3	C	≀≀ scattered about hor.; dew falling.	
7	N	Light ≀≀≀ in W; ≀≀ scattered throughout; dew falling.	
5	N	≀≀ scattered about.	
6	B	"	
8	N	Overcast with light ≀≀≀ and ≀≀, whose motion was not apparent.	
7	N	Densely clouded with ≀≀≀ and ≀≀, both moving SSE.	
3	B	≀≀ scattered about hor.	
2	B	" "	
3	B	" "	
5	C	≀≀ scattered about, moving ENE.	
5	C	≀≀ scattered about, moving NE.	
5	C	≀≀ scattered about, moving N.	
7	C	≀≀ scattered throughout, moving NNE.	
5	N	≀≀ scattered about.	
3	N	"	
2	N	≀≀ scattered about hor.	
1	N	≀≀ scattered along W hor.	
0	B	Clear, except in hor.	
0	B	A few pieces of ≀≀ in E.	
2	B	≀≀ scattered along E hor.	
3	B	≀≀ scattered about hor., from N to SW; masses of ≀≀≀ floating SE.	Mean daily temperature of ground 20 and 60 inches below its surface 83°9 and 83°7.
7	C	≀≀ and ≀≀≀ scattered throughout, the latter moving ESE.	
7	C	" " "	
8	C	Overcast with ≀≀ and ≀≀≀, the latter moving N.	
8	C	≀≀≀ in S; ≀≀ scattered throughout, moving N.	
8	N	≀≀≀ and ≀≀ scattered throughout, the former moving N.	
6	N	≀≀ and ≀≀≀ scattered about, the latter moving E.	
4	B	≀≀ and ≀≀≀ scattered about, both moving ESE.	
3	N	≀≀ scattered around hor.	
3	N	" "	
3	B	≀≀ scattered about, moving E.	
5	B	≀≀ scattered about, moving NNE.	
6	B	" "	
7	C	≀≀ and ≀≀≀ scattered throughout, the latter moving N.	
8	C	Densely clouded with ≀≀≀ and ≀≀, the former moving E.	
8	C	" " "	
8	C	" " "	
7	N	" " "	
7	N	" " "	
3	N	≀≀ scattered about hor.	
2	N	" "	
2	B	" "	
3	B	" "	
4	B	≀≀ around hor.; ≀≀≀ scattered about, moving E.	
5	B	≀≀ and ≀≀≀ scattered throughout, the latter moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 83°9 and 83°7.
5	C	≀≀≀ scattered throughout, moving ESE.	
4	C	" "	
4	C	≀≀≀ scattered throughout, moving ESE; dew falling.	
4	C	≀≀≀ scattered about, moving E; dew falling.	
3	N	≀≀≀ scattered around hor., moving S.	
4	N	≀≀≀ scattered about, moving SSE.	
3	B	≀≀≀ scattered about hor., moving SSE.	
2	N	" "	
2	N	≀≀≀ scattered about hor., moving SE.	
2	B	Masses of ≀≀≀ scattered about, moving ESE.	
4	B	A few pieces of ≀≀≀ floating ESE.	

Bombay Civil Time. 1860.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet-Bulb Thermometer.	Depression of Wet-Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Strawes of Volta 1.	Readings of Strawes of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
May 10th–Noon.	29.845	28.950	89°6	80°0	9°6	76°5	0.67	86°2	84°3	WSW	0.1					
1 p. m.	.815	.968	90.2	79.0	11.2	74.7	.62	86.7	84.4	W b S	0.2					
2 „	.804	.940	91.0	79.6	11.4	75.4	.61	87.0	84.5	W	0.2					
3 „	.776	.896	91.1	80.0	11.1	75.9	.62	87.2	84.6	W b S	0.2					
4 „	.758	.873	90.6	80.0	10.6	76.1	.64	87.2	84.7	W	0.2					
5 „	.763	.891	87.9	79.0	8.9	75.6	.68	86.6	84.8	„	0.2					
6 „	.782	.889	86.1	78.8	7.3	75.7	.70	85.9	84.8	„	0.2	None.	None.	None.	None.	None.
7 „	.799	.937	84.2	77.8	6.4	75.3	.77	84.3	84.6	W b N	0.2					
8 „	.819	.952	83.8	77.8	6.0	75.5	.81	84.0	84.4	WNW	0.1					
9 „	.836	.995	83.3	77.0	6.3	74.5	.76	83.4	84.4	W b N	0.1					
10 „	.838	29.005	82.2	76.5	5.7	74.2	.78	82.6	84.3	„	0.0					
11 „	.831	.000	81.4	76.2	5.2	74.1	.79	82.1	84.2	W	0.0					
May 11th–Midnight	.819	28.982	80.8	76.2	4.6	74.4	.82	81.5	84.1	W	0.0					
1 a. m.	.799	.953	80.2	76.4	3.8	74.7	.85	81.1	84.0	„	0.0					
2 „	.787	.921	81.0	77.0	4.0	75.4	.84	81.5	84.0	„	0.1					
3 „	.788	.918	80.6	77.0	3.6	75.6	.86	81.3	84.0	W b N	0.1					
4 „	.800	.930	80.6	77.0	3.6	75.6	.86	81.2	84.0	WNW	0.1					
5 „	.804	.930	80.3	77.0	3.3	75.7	.86	81.0	83.7	„	0.1		+	3		0.32
6 „	.824	.918	80.1	77.1	3.0	76.8	.88	80.8	83.6	„	0.0					
7 „	.838	.974	83.0	77.5	5.5	75.4	.79	82.3	83.6	N	0.0					
8 „	.849	.950	84.3	78.7	5.6	76.6	.75	83.3	83.8	NNW	0.1					
9 „	.863	.981	87.0	79.0	8.0	76.0	.71	85.0	84.0	NNE	0.1					
10 „	.863	.970	86.0	79.0	7.0	76.4	.74	84.5	84.1	NE b E	0.0					
11 „	.848	.979	88.2	79.0	9.2	75.5	.67	85.3	84.3	SW b W	0.1					
Noon.	.833	.975	89.2	79.0	10.2	75.1	.64	86.1	84.4	WNW	0.0	None.			None.	
1 p. m.	.809	.951	89.9	79.2	10.7	75.1	.63	86.4	84.4	W b N	0.2					
2 „	.783	.935	90.5	79.1	11.4	74.8	.61	87.0	84.5	W b S	0.2					
3 „	.767	.917	91.0	79.3	11.7	74.8	.60	87.3	84.7	„	0.4					
4 „	.758	.909	90.0	79.0	11.0	74.8	.62	87.0	84.8	„	0.3					
5 „	.760	.917	88.0	78.6	9.4	74.6	.67	86.6	84.8	„	0.1		+	1		Above 10m.
6 „	.770	.905	86.2	78.4	7.8	75.4	.72	85.6	84.8	W	0.1					
7 „	.775	.896	84.2	78.2	6.0	75.7	.77	84.4	84.6	„	0.3					
8 „	.788	.901	83.5	78.2	5.3	76.2	.79	83.7	84.4	„	0.2					
9 „	.807	.923	83.0	78.0	5.0	76.2	.80	83.3	84.3	„	0.2					
10 „	.819	.947	82.6	77.6	5.0	75.6	.80	83.0	84.3	„	0.1					
11 „	.820	.937	82.2	77.8	4.4	76.1	.83	82.7	84.3	W b N	0.1					
May 12th–Midnight	.809	.944	81.8	77.2	5.6	75.4	.82	82.2	84.2	W	0.1					
1 a. m.	.797	.927	81.4	77.2	4.2	75.6	.83	82.0	84.1	W b N	0.1					
2 „	.780	.916	81.2	77.0	4.2	75.4	.83	81.8	84.0	WNW	0.1					
3 „	.780	.914	81.0	77.0	4.0	75.4	.84	81.6	83.9	„	0.1					
4 „	.777	.911	81.0	77.0	4.0	75.4	.84	81.5	83.9	NW b W	0.2					
5 „	.795	.927	80.8	77.0	3.8	75.5	.85	81.4	83.7	„	0.1					
6 „	.821	.967	81.3	76.8	4.5	75.0	.82	81.7	83.7	NW	0.1					
7 „	.832	.961	84.2	78.0	6.2	75.6	.77	83.0	84.0	„	0.1					
8 „	.842	29.012	85.0	77.2	7.8	74.1	.70	83.9	84.1	„	0.1					
9 „	.834	28.990	86.6	78.0	8.6	74.6	.69	84.5	84.2	NW b W	0.2					
10 „	.832	29.000	87.7	78.0	9.7	74.2	.66	85.2	84.4	WNW	0.1					
11 „	.825	28.998	88.7	78.2	10.5	74.0	.63	86.1	84.4	„	0.2					
Noon.	.813	.958	89.3	79.0	10.3	75.1	.64	86.3	84.5	W	0.4	None.	None.	None.	None.	None.
1 p. m.	.792	.921	89.5	79.4	10.1	75.6	.65	86.6	84.6	WNW	0.5					
2 „	.767	.913	89.5	79.0	10.5	75.0	.64	86.9	84.8	„	0.6					
3 „	.753	.857	89.5	80.0	9.5	75.0	.67	86.9	84.9	W	0.3					
4 „	.745	.862	88.9	79.5	9.4	76.5	.67	86.9	84.8	„	0.5					
5 „	.741	.861	87.2	79.0	8.2	76.0	.70	86.0	84.6	„	0.2					
6 „	.746	.880	85.0	78.2	7.8	75.9	.73	85.0	84.5	„	0.3					
7 „	.764	.889	83.8	78.0	5.8	75.4	.78	83.9	84.5	„	0.2					
8 „	.778	.896	83.2	78.0	5.2	75.8	.80	83.6	84.5	„	0.1					
9 „	.798	.893	83.0	78.5	4.5	76.0	.82	83.3	84.4	„	0.1					
10 „	.796	.887	82.7	78.5	4.2	76.9	.83	83.0	84.3	„	0.1					
11 „	.791	.884	82.4	78.4	4.0	76.9	.84	82.8	84.2	WNW	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ⌒ cumuli; ⌒≀ cirro-strati; ⌒⌒ cumulo-strati; and ≀≀≀ nimbi.	
0	B	A few pieces of clouds in E hor.	
0	C	Clear.	
0	C	"	
0	C	"	
2	C	≀ scattered around hor., except in NW and N.	
3	N	⌒ in E and SE hor.; ≀ scattered about hor.	
3	N	⌒ in E and SE hor., ≀ scattered about.	
2	N	Clouded with ≀ around hor.	
1	N	≀ scattered along E hor.	
1	B	" "	
1	B	" "	
1	B	" "	
2	B	≀ and ≀≀ scattered along E hor.	Mean daily temperature of ground 20 and 60 inches below its surface 83°9 and 83°7.
2	C	≀ scattered along E hor.; dew falling.	
1	C	" " "	
1	C	A few ≀≀ in SE; a few ≀ about E hor.; dew falling.	
4	C	A few ≀ in E hor.; ≀≀ and ≀≀≀ scattered about, moving SE.	
3	N	≀ in E; ≀≀ scattered around hor.; ≀≀≀ scattered about zth., moving SE.	
4	N	≀ in E; ≀≀ scattered around hor.; light ≀≀≀ here and there, moving SSE.	
2	B	≀≀ and ≀≀≀ scattered about hor.	
2	N	" "	
3	B	≀≀ and ≀≀≀ scattered about, moving SSE.	
3	B	" " "	
4	B	≀≀ scattered from N to S hor.	
2	B	≀≀ scattered about, moving N.	
1	C	≀≀ scattered around hor.	
0	C	≀≀ scattered around hor., except in NW.	
0	C	A few pieces of ≀≀ along E hor.	
1	C	≀≀ scattered about hor., from NW to SE.	
1	N	≀≀ scattered along E hor.	
1	N	" "	
1	N	" "	
1	N	" "	
0	N	Clear, except in E hor.	
0	B	" "	
0	B	A few ≀ in E hor.	
1	B	Patches of ≀≀ scattered here and there.	Mean daily temperature of ground 20 and 60 inches below its surface 83°9 and 83°7.
2	C	≀≀ and light ≀≀≀ scattered about hor., the latter moving E.	
2	C	≀≀ around hor.; ≀≀≀ scattered about, moving E.	
4	C	≀≀ and ≀≀≀ scattered about, moving E.	
5	C	≀≀ in E hor.; ≀≀≀ scattered about, moving ESE.	
5	N	Light ≀≀≀ scattered about, moving SE.	
5	N	" "	
5	N	≀≀ in E, above hor.; ≀≀≀ scattered about, moving SE.	
7	N	≀≀ and ≀≀≀ scattered.	
2	C	≀≀ scattered in E and W hor.	
2	C	Patches of ≀≀ in E and W hor.; ≀ scattered about.	
2	C	≀ and ≀≀ scattered about hor., from N to SW.	
1	C	" " "	
0	B	A few pieces of ≀≀ in E, a few ≀ in S hor.	
1	B	Patches of ≀≀ scattered around hor.	
1	B	" "	
1	B	" "	
1	C	" "	
1	C	" "	
0	C	A few pieces of clouds in W hor.	
1	C	Patches of ≀≀ scattered along W hor.	
1	C	≀≀ scattered around hor.	
2	C	≀≀ scattered about hor., moving E.	
2	C	≀≀ scattered about, moving ESE.	

Bombay Civil Time. 1860.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet-Bulb Thermometer.	Thermometers. Depression of Wet-Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
May 14th-Midnight	29.746	28.820	83°0	79°0	4°0	77°5	0.84	83°2	84°3	WNW	0.8					
1 a. m.	.736	.806	82.5	79.0	3.5	77.7	.86	82.9	84.2	,,	1.5					
2 ,,	.728	.795	82.4	79.0	3.4	77.8	.86	82.7	84.1	,,	1.8					
3 ,,	.738	.843	82.0	78.0	4.0	76.5	.84	82.5	84.0	,,	1.2					
4 ,,	.739	.844	82.0	78.0	4.0	76.5	.84	82.3	83.9	,,	0.3					
5 ,,	.760	.881	81.6	77.5	4.1	75.9	.83	82.0	84.1	NW	0.4					
6 ,,	.773	.916	81.1	76.8	4.3	75.1	.83	81.6	84.0	NNW	0.3					
7 ,,	.799	.981	83.6	76.5	7.1	73.6	.74	82.9	84.0	,,	0.1					
8 ,,	.806	.995	86.0	77.0	9.0	73.4	.67	84.5	84.1	,,	0.1					
9 ,,	.808	.996	88.8	77.8	11.0	73.4	.62	86.0	84.5	N	0.1					
10 ,,	.811	.953	89.2	79.0	10.2	75.1	.64	86.3	84.6	W	0.1					
11 ,,	.805	.951	89.5	79.0	10.5	75.0	.64	86.9	84.8	,,	0.7					
Noon.	.786	.896	90.2	80.0	10.2	76.3	.65	87.3	84.9	,,	0.7	None.			None.	
1 p. m.	.764	.899	90.5	79.5	11.0	75.4	.63	87.3	84.9	WNW	0.8					
2 ,,	.750	.837	90.8	80.7	10.1	77.1	.65	87.7	85.0	,,	0.6					
3 ,,	.738	.857	91.0	80.0	11.0	76.0	.63	88.0	85.1	W b N	1.0					
4 ,,	.723	.870	89.6	79.0	10.6	75.0	.64	87.3	85.0	WNW	1.0					
5 ,,	.732	.909	87.8	77.8	10.0	73.8	.65	86.3	85.2	,,	0.2		+	1		Above 10m.
6 ,,	.746	.913	86.0	76.8	9.2	74.1	.66	85.7	85.0	,,	0.3		+	3		Above 10m.
7 ,,	.756	.897	84.5	77.8	6.7	75.2	.78	84.7	84.8	,,	0.3		+	3		Above 10m.
8 ,,	.778	.912	83.8	77.8	6.0	75.4	.77	84.0	84.7	W b N	0.4		+	4		Above 10m.
9 ,,	.802	9.50	83.4	77.3	6.1	74.9	.76	83.5	84.7	WNW	1.5		+	3		Above 10m.
10 ,,	.813	.908	83.0	78.5	4.5	76.8	.82	83.2	84.6	,,	1.0		+	5		Above 10m.
11 ,,	.819	.929	82.8	78.1	4.7	76.3	.82	83.1	84.6	NW	2.5		+	2		Above 10m.
May 15th-Midnight	.811	.922	82.5	78.0	4.5	76.3	.82	82.8	84.6	NW	0.8		+	2		Above 10m.
1 a. m.	.797	.904	82.2	78.0	4.2	76.4	.83	82.7	84.5	,,	0.3		+	1		Above 10m.
2 ,,	.775	.880	82.0	78.0	4.0	76.5	.84	82.4	84.3	,,	0.1		+	1		Above 10m.
3 ,,	.778	.898	81.6	77.5	4.1	75.9	.84	82.0	84.1	,,	0.1		+	1		Above 10m.
4 ,,	.778	.914	81.2	77.0	4.2	75.4	.83	81.9	84.1	,,	0.1		+	1		Above 10m.
5 ,,	.792	.911	80.7	77.3	3.4	76.0	.86	81.3	84.1	N b W	0.1		+	1		Above 10m.
6 ,,	.812	.917	80.9	77.7	3.2	76.5	.87	81.7	84.1	,,	0.0					
7 ,,	.836	.980	83.4	77.4	6.0	75.1	.77	82.8	84.2	NW b N	0.1		+	2		Above 10m.
8 ,,	.857	.968	85.6	78.8	6.8	76.3	.75	84.1	84.3	NW	0.2		+	2		Above 10m.
9 ,,	.870	.978	86.8	79.2	7.6	76.4	.72	85.0	84.5	,,	0.2		+	2		Above 10m.
10 ,,	.871	.989	88.1	79.3	8.8	76.0	.68	85.8	84.6	,,	0.5		+	2		Above 10m.
11 ,,	.869	.969	88.8	79.9	8.9	76.6	.68	86.2	84.7	,,	0.8		+	2		Above 10m.
Noon.	.845	.985	89.0	79.0	10.0	75.2	.65	86.5	84.8	,,	1.0	None.	+	2	None.	Above 10m.
1 p. m.	.821	.963	89.2	79.0	10.2	75.1	.64	86.7	84.9	NW b W	1.0		+	1		Above 10m.
2 ,,	.791	.939	89.7	79.0	10.7	74.9	.63	86.9	84.9	WNW	0.6		+	1		Above 10m.
3 ,,	.757	.904	89.6	79.0	10.6	75.0	.63	86.8	85.0	,,	0.4					
4 ,,	.747	.948	89.0	77.5	11.5	72.9	.60	86.6	85.0	,,	0.3					
5 ,,	.756	.887	88.2	79.0	9.2	75.5	.62	86.7	85.1	W	0.1					
6 ,,	.769	.893	85.7	78.5	7.2	75.8	.73	85.7	85.1	W b N	0.4					
7 ,,	.801	.924	84.0	78.2	5.8	75.9	.74	84.2	84.8	WNW	0.6					
8 ,,	.819	.930	83.4	78.2	5.2	76.3	.80	83.8	84.7	,,	0.5					
9 ,,	.837	.969	83.0	77.6	5.4	75.5	.79	83.2	84.6	,,	1.0					
10 ,,	.854	.993	82.6	77.3	5.3	75.2	.79	83.0	84.6	,,	1.5					
11 ,,	.851	.987	82.3	77.3	5.0	75.4	.80	82.6	84.5	,,	0.8					
May 16th-Midnight	.835	.993	82.0	76.7	5.3	74.6	.79	82.3	84.5	WNW	0.5					
1 a. m.	.808	.987	81.5	76.0	5.5	73.8	.78	82.0	84.3	,,	0.2					
2 ,,	.800	.975	81.2	76.0	5.2	73.9	.80	81.7	84.2	,,	0.1					
3 ,,	.793	.986	81.0	75.5	5.5	73.2	.78	81.4	84.1	,,	0.2					
4 ,,	.801	.994	81.0	75.5	5.5	73.2	.78	81.3	84.0	,,	0.2					
5 ,,	.802	.981	80.9	75.8	5.1	73.8	.80	81.4	84.0	,,	0.0	None.				
6 ,,	.821	29.018	81.2	75.5	5.7	73.2	.77	81.6	84.0	,,	0.0		+	15	15	0.15
7 ,,	.856	.016	83.4	77.0	6.4	74.5	.75	82.7	84.1	NW	0.0		+	10	10	0.12
8 ,,	.874	.018	84.6	77.6	7.0	75.1	.73	83.7	84.2	NW b W	0.0					
9 ,,	.873	.045	86.6	77.6	9.0	74.0	.67	84.6	84.3	WNW	0.1					
10 ,,	.861	.047	87.6	77.5	10.1	73.5	.64	85.5	84.4	,,	0.2					
11 ,,	.851	28.997	88.8	78.8	10.0	75.0	.65	86.0	84.5	W b N	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ≀∩ cirro-strati; ∩∩ cumulo-strati; and ∩≀ nimbi.	
2	B	≀≀ scattered about hor.	Mean daily temperature of ground 20 and 60 inches below its surface 84°2 and 83°9.
1	C	" "	
1	C	" "	
1	C	≀≀ scattered along E hor.	
0	C	A few pieces of ≀≀ in E hor.	
1	N	≀ and ≀≀ along E hor.; a few pieces of ∩≀ scattered about, moving S.	
1	N	≀ along E hor.; ≀≀ scattered along W hor.	
1	B	" " "	
1	N	" " "	
3	N	≀ and ≀≀ scattered about.	
4	B	≀ and ≀≀ scattered about, the latter moving N.	
3	B	" "	
2	B	≀≀ scattered about hor., from N to SW.	
2	C	≀≀ scattered about hor., from N to SE.	
2	C	" "	
2	C	Patches of ≀≀ scattered about, moving SE.	
1	C	≀≀ scattered along E hor.	
2	N	≀≀ scattered around hor.	
3	N	≀≀ scattered about.	
1	N	Patches of ≀≀ scattered in E and SE.	
0	N	Clear, except in E hor.	
0	B	A few clouds in E hor.	
0	B	" "	
0	B	" "	
2	B	≀≀ scattered about, moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 84°4 and 84°0.
4	C	" "	
2	C	≀≀ scattered about hor., moving SE.	
5	C	≀≀ and ∩≀ scattered about, the latter moving SE.	
2	C	" "	
7	N	≀ and ≀≀ along E hor.; light ∩≀ scattered about, moving SSE.	
3	N	≀ and ≀≀ along E hor.; light ∩≀ scattered about, moving SE.	
2	B	≀≀ and ∩≀ scattered around hor.	
1	N	" "	
2	N	≀≀ and ∩≀ scattered about in N and NE.	
1	B	Patches of ≀≀ scattered above N and E hor.	
0	B	Pieces of ≀≀ scattered here and there.	
0	B	" " "	
0	C	A few pieces of ≀≀ in NE hor.	
0	C	A few pieces of ≀≀ in E hor.	
0	C	Clear.	
0	C	"	
0	N	Light ≀ along E hor.	
0	N	" "	
0	N	Clear.	
0	N	"	
0	B	"	
0	B	A few ≀ in E hor.	
0	B	" "	
1	B	Light ∩≀ scattered about, moving SSE.	Mean daily temperature of ground 20 and 60 inches below its surface 84°4 and 84°2.
1	C	Masses of light ∩≀ scattered around hor.	
2	C	∩≀ scattered about, moving SE.	
2	C	" "	
2	C	" "	
2	N	≀ in NE and E; light ∩≀ scattered about, moving SSE.	
3	N	Light ∩≀ scattered about, moving SSE.	
3	N	" " "	
4	N	" " "	
3	B	Light ∩≀ scattered about hor.	
2	B	A few ≀ in E; above hor.	
1	B	≀ and ≀≀ scattered from N to SW hor.	

Bombay Civil Time. 1860.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer lined in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.				
May 16th-Noon.	29.820	28.984	89°7	78°6	11°1	74°3	0.62	86°7	84°7	W	0.2					
1 p. m.	.797	.994	89.9	77.9	12.0	73.1	.59	86.8	84.8	,,	0.3					
2 ,,	.771	.930	90.0	78.8	11.2	74.5	.62	87.0	84.8	,,	0·2					
3 ,,	.762	.907	90.2	79.2	11.0	75.0	.62	87.2	84.9	,,	0.1					
4 ,,	.748	.897	89.8	79.0	10.8	74.9	.63	87.1	85.0	,,	0.1	None.	None.	None.	None.	None.
5 ,,	.747	.881	87.7	78.8	8.9	75.4	.68	86.3	84.8	,,	0.2					
6 ,,	.765	.888	85.6	78.5	7.1	75.8	.74	85.5	84.5	,,	0.1					
7 ,,	.776	.925	84.2	77.5	6.7	75.1	.75	84.2	84.5	,,	0.1					
8 ,,	.807	.949	83.6	77.4	6.2	75.1	.76	83.4	84.5	,,	0.1					
9 ,,	.826	.997	83.3	76.7	6.6	74.1	.75	83.6	84.7	W b N	0.1					
10 ,,	.843	.999	83.0	77.0	6.0	74.6	.77	83.3	84.6	WNW	0.2					
11 ,,	.823	.975	82.6	77.0	5.6	74.8	.78	83.0	84.6	W b N	0·0					
May 17th-Midnight	.812	.980	82.3	76.5	5.8	74.2	.77	82.8	84.5	WSW	0.2					
1 a. m.	.789	.934	82.0	77.0	5.0	75.0	.80	82.5	84.4	W	0.0					
2 ,,	.770	.913	81.8	77.0	4.8	75.1	.81	82.2	84.3	WSW	0.1					
3 ,,	.762	.931	81.4	76.2	5.2	74.1	.79	82.0	84.2	,,	0.1					
4 ,,	.766	.941	81.2	76.0	5.2	73.9	.79	81.9	84.2	W	0.2					
5 ,,	.776	.955	81.5	76.0	5.5	73.8	.78	81.8	84.2	,,	0.1					
6 ,,	.804	.980	81.6	76.1	5.5	73.9	.78	81.8	84.0	,,	0.1					
7 ,,	.830	.988	83.2	77.0	6.2	74.6	.76	82.8	84.2	,,	0.1					
8 ,,	.843	29.029	85.7	77.0	8.7	73.5	.68	83.8	84.3	WSW	0.1					
9 ,,	.859	.057	86.8	77.0	9.8	73.0	.65	84.7	84·4	W	0.1					
10 ,,	.856	.054	88.3	77.4	10.9	73.0	.62	85.4	84.5	,,	0.1	None.	None.	None.	None.	None.
11 ,,	.851	.039	89.5	78.0	11.5	73.4	.60	86.0	84.6	,,	0.1					
Noon.	.843	.034	90.6	78.2	12.4	73.3	.58	87.0	84.8	W b S	0.1					
1 p. m.	.812	28.959	91.2	79.4	11.8	75.0	.60	87.5	84.9	W	0.1					
2 ,,	.790	.931	91.5	79.6	11.9	75.2	.60	88.0	85.0	W b N	0.1					
3 ,,	.774	.932	90.6	79.0	11.6	74.6	.61	87.9	85.1	,,	0·1					
4 ,,	.758	.896	89.6	79 2	10.4	75.2	.64	87.4	85.1	,,	0.1					
5 ,,	.760	.907	87.8	78.5	9.3	75.0	.67	86.6	85.2	WNW	0.1					
6 ,,	.764	.919	85.8	77.8	8.0	74.7	.70	85.4	85.2	,,	0.1					
7 ,,	.772	.906	84.6	78.0	6.6	75.4	.75	84.8	85.1	,,	0.2					
8 ,,	.785	.906	84.2	78.2	6.0	75.9	.77	84.3	85.0	NW b W	0.1					
9 ,,	.813	.944	83.6	77.8	5.8	75.5	.78	83.9	84.9	NW	0.2					
10 ,,	.820	.979	83.3	77.0	6.3	74.5	.76	83.5	84.8	,,	0.2					
11 ,,	.817	.973	83.0	77.0	6.0	74.6	.77	83.2	84.7	,,	0.2					
May 18th-Midnight	.810	.966	83.0	77.0	6.0	74.6	.77	83.2	84.7	NW	0.1					
1 a. m.	.781	.919	82.5	77.3	5.2	75.3	.80	83.0	84.6	,,	0.1					
2 ,,	.772	.917	82.0	77.0	5.0	75.0	.80	82.6	84.5	,,	0.0					
3 ,,	.772	.917	82.0	77.0	5.0	75.0	.80	82.5	84.5	,,	0.0					
4 ,,	.779	.939	81.6	76.5	5.1	74.5	.80	82.1	84.3	,,	0·0		•			
5 ,,	.783	.932	81.0	76.6	4.4	74.9	.82	81.8	84.2	,,	0.0		+	2		0.05
6 ,,	.809	.960	81.8	76.8	5.0	74.8	.80	81.3	84.3	NNW	0·0		+	2		1.08
7 ,,	.839	29.049	84.2	77.6	6.6	72.9	.75	83.1	84.3	,,	0.0					
8 ,,	.845	28.993	86.3	78.1	8.2	74.9	.70	84.2	84.4	,,	0.0					
9 ,,	.863	29.023	87.0	78.0	9.0	74.5	.67	84.9	84.5	NW b W	0.1					
10 ,,	.860	.027	88.4	78.2	10.2	75.0	.64	85.6	84.6	,,	0.1	None.			None.	
11 ,,	.842	.037	89.4	77.8	11.6	73.2	.60	86.3	84.8	,,	0·1		+	1		Above 10m.
Noon.	.825	28.980	90·4	79.0	11.4	74.7	.61	87.0	84.9	,,	0.1		+	1		Above 10m.
1 p. m.	.794	.939	91.0	79.4	11.6	75.0	.61	87.3	85.0	W	0.1		+	1		Above 10m.
2 ,,	.768	.926	90.6	79.0	11.6	74.6	.61	87.3	85.1	,,	0.2		+	2		2.14
3 ,,	.757	.934	90.0	78.4	11.6	73.8	.60	87.3	85.2	,,	0.3					
4 ,,	.747	.894	89.6	79.0	10.6	75.0	.62	87.2	85.3	,,	0.4					
5 ,,	.733	.889	87.6	78.4	9.2	74.6	.67	86.5	85.3	,,	0.4					
6 ,,	.740	.863	85.6	78.5	7.1	75.8	.73	85.5	85.2	,,	0.5					
7 ,,	.767	.888	84.2	78.2	6.0	75.9	.77	84.3	85.1	,,	0·7					
8 ,,	.781	.907	83·9	78.0	5.9	75.7	.78	84.0	85.0	,,	0.4					
9 ,,	.811	.963	83.4	77.2	6.2	74.8	.76	83.5	84.9	,,	0.5					
10 ,,	.817	.969	83.4	77.2	6.2	74.8	.76	83.5	84.8	,,	0.4					
11 ,,	.807	.963	83.0	77.0	6.0	74.6	.77	83.2	84.8	WNW	0.5					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≤≤ cirro-cumuli; ∩ cumuli; ≤— cirro-strati; ∩— cumulo-strati; and ≤∩ *nimbi*.	
1	B	≤ scattered along E hor.	
1	C	" "	
1	C	Light ≤ scattered in E hem.	
0	C	A few light ≤ in E hor.	
2	C	Light ≤≤ scattered about, moving SE.	
1	G	Masses of ≤≤ scattered around hor.	
2	G	" "	
5	G	Masses of ≤≤ scattered about, moving SE.	
3	G	" " "	
2	B	Masses of ≤≤ scattered about hor., moving SE.	
1	B	" " "	
0	B	Clear, except in hor.	
0	B	A few masses of ≤≤ scattered about.	Mean daily temperature of ground 20 and 60 inches below its surface 84°5 and 84°2.
1	C	Pieces of ≤≤ scattered about hor., moving SE.	
0	C	A few pieces of ≤≤ in E hor., moving SE.	
2	C	≤≤ scattered about, moving SE.	
3	C	" "	
2	G	" "	
2	G	≤≤ scattered about hor., moving SE.	
2	G	" "	
1	G	Masses of dense ≤≤ around hor.	
1	B	" "	
1	B	Masses of ≤≤ scattered about, moving E.	
1	B	" "	
2	B	" "	
3	C	≤≤ scattered about, moving E.	
4	C	" "	
5	C	" "	
4	C	" "	
4	G	" "	
3	G	" "	
2	G	Masses of ≤≤ scattered around hor.	
2	G	" "	
1	B	" "	
1	B	" "	
3	B	Masses of ≤≤ scattered here and there, moving E.	
3	B	Masses of ≤≤ scattered about, moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 84°6 and 84°3.
1	C	Masses of ≤≤ scattered along E hor.	
2	C	≤≤ scattered about hor., moving E.	
2	C	" "	
1	C	≤≤ scattered about hor. from ENE to S.	
5	G	≤≤ scattered throughout, moving E.	
3	G	≤≤ scattered about hor.	
2	G	" "	
2	G	" "	
2	B	" "	
2	B	" "	
2	B	≤≤ scattered around hor.	
1	B	" "	
1	C	" "	
1	C	" "	
1	C	" "	
1	C	≤≤ scattered along E hor.	
1	G	" "	
1	G	∩ and ≤≤ scattered along E hor.	
1	G	Dense ≤≤ scattered about, moving SE.	
5	G	≤≤ and ≤≤ scattered about hor., moving ESE.	
3	B	≤≤ scattered about, moving SE.	
2	B	" "	
2	B	" "	

Bombay Civil Time. 1860.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
May 19th-Midnight	29.805	28.958	82°7	77°0	5°7	74°7	0.78	83°1	84°7	WNW	0.3					
1 a. m.	.783	.921	82.4	77.3	5.1	75.3	.80	82.9	84.6	„	0·4					
2 „	.766	.911	82.0	77.0	5.0	75.0	.80	82.5	84.6	„	0·1					
3 „	.766	.924	81.8	76.6	5.2	74.6	.80	82.2	84.5	„	0.1					
4 „	.772	.913	81.6	77.0	4.6	75.2	.82	82.2	84.5	„	0.0					
5 „	.791	.935	81.2	76.8	4.4	75.1	.82	81.8	84.3	„	0.0					
6 „	.817	.957	81·5	77.0	4.5	75.2	.82	81.8	84.3	„	0.0					
7 „	.839	.977	83.9	77.7	6.2	75.3	.76	83.3	84.3	„	0.0					
8 „	.860	29.000	85.2	78.0	7.2	75.2	.73	84.2	84.4	„	0·0					
9 „	.870	28.956	85.9	79.5	6.4	77.1	.76	84.5	84.5	„	0.3					
10 „	.863	.978	87.8	79.3	8.5	76.1	.69	85.6	84.7	W	0.6					
11 „	.852	.948	88.8	80.0	8.8	76.8	.69	86.3	84.8	„	0.7	None.	None.	None.	None.	None.
Noon.	.836	.956	89.1	79.5	9.6	75.9	.66	86.5	84.9	„	0·8					
1 p. m.	.798	.901	89.1	79.9	9.2	76.5	.67	86.7	85.0	WNW	0.7					
2 „	.776	.911	89.3	79.2	10.1	75.4	.65	87·0	85.0	„	1·5					
3 „	.752	.850	89.0	80.0	9.0	76.7	.63	87.0	85.0	„	1·2					
4 „	.736	.825	88.2	80.0	8.2	77.0	.70	86.6	85.1	„	1·0					
5 „	.730	.839	86.9	79.2	7.7	76.3	.72	86.0	85.1	„	1·5					
6 „	.744	.847	84.9	78.8	6.1	76.5	.77	85.2	85.0	„	1·0					
7 „	.756	.959	83.7	78.5	5.2	76.5	.80	84.0	84.9	„	1.5					
8 „	.772	.892	83.4	78.0	5.4	75.9	.79	83.7	84.9	„	1.3					
9 „	.800	.899	83.4	78.5	4.9	76.7	.81	83.3	84.9	NW b W	1.0					
10 „	.815	.881	83.4	79.3	4.1	77.8	.84	83.3	84.7	„	0.8					
11 „	.815	.879	83.2	79.3	3.9	77.9	.84	83.0	84.7	„	1.0					
May 21st-Midnight	.769	.840	82.7	79.0	3·7	77.6	.85	83.1	84.7	NW	0.8					
1 a. m.	.743	.813	82.6	79.0	3.6	77.7	.86	83.0	84.7	„	0.7					
2 „	.727	.794	82.4	79.0	3.4	77.8	.86	82.8	84.7	„	1.0					
3 „	.727	.792	82.2	79.0	3.2	77.8	.87	82.7	84.7	„	0.6					
4 „	.725	.788	82.0	79.0	3.0	77.9	.88	82.5	84.6	„	0.8					
5 „	.740	.774	82.4	79.8	2.6	78.9	.89	82.5	84.5	„	0.0					
6 „	.753	.789	82.4	79.5	2.9	78.8	.88	82.6	84.3	NNW	0.0					
7 „	.765	.812	83.2	79.5	3.7	78.4	.86	83.2	84.4	NW b N	0.3					
8 „	.785	.831	84.1	78.8	5.3	76.8	.79	83.7	84.5	NW	0.3		+	3		Above 10m.
9 „	.791	.885	84.8	79.0	5.8	76.8	.78	84.0	84.5	NW b N	0.1		+	1		Above 10m.
10 „	.785	.889	86.5	79.2	7.3	76.5	.73	84.5	84.7	NNW	0·1					
11 „	.781	.889	87.6	79.4	8.2	76.4	.70	85.8	84.9	NW	0·1		+	2		Above 10m.
Noon.	.773	.860	88.0	80.0	8.0	77.1	.71	86.3	85.0	„	0.5		+	1	None.	Above 10m.
1 p. m.	.741	.788	87.9	80.9	7.0	78.4	.74	86.3	85.0	NW b W	0.6		+	1		Above 10m.
2 „	.714	.764	87.8	80.8	7.0	78.3	.74	86.3	85.0	„	0.5		+	1		Above 10m.
3 „	.710	.767	88.0	80.7	7.3	78.1	.73	86.3	85.1	„	0.4					
4 „	.690	.743	86.8	80.2	6.6	78.2	.76	86.0	85.1	„	0.6					
5 „	.689	.739	85.7	80.3	5.4	78.3	.79	85.5	85.1	„	0.4					
6 „	.698	.781	83.8	79.0	4.8	77.2	.81	84.0	85.0	„	0·3					
7 „	.710	.774	83.2	79.3	3.9	77.9	.85	83.8	84.8	WNW	0·2					
8 „	.725	.789	82.8	79.2	3.6	77.9	.86	83.6	84.8	NW b N	0·2					
9 „	.740	.731	82.7	78.5	4.2	76.9	.84	83.0	84.7	„	0·2					
10 „	.740	.731	82.7	78.5	4.2	76.9	.84	83.0	84.7	„	0.5					
11 „	.738	.766	82.6	80.0	2.6	79.1	.90	83.0	84.7	„	0·7					
May 22nd-Midnight	.728	.755	82.5	80.0	2.5	79.1	.90	83.0	84.7	NW	0.7					
1 a. m.	.714	.737	82.2	80.0	2.2	79.2	.91	82.8	84.6	„	0.2					
2 „	.788	.749	81.8	79.0	2.8	78.0	.89	82.6	84.5	„	0.1					
3 „	.678	.753	81.6	78.6	3.0	77.5	.88	82.2	84.5	„	0.2					
4 „	.690	.788	81.4	78.0	3.4	76.7	.86	82.0	84.4	„	0.2					
5 „	.698	.784	81.4	78.3	3.1	77.1	.87	82.0	84.5	„	0.1					
6 „	.722	.790	81.7	78.8	2.9	77.7	.88	82.0	84.4	NW b W	0.2					
7 „	.732	.796	82.8	79.2	3.6	77.9	.86	82.8	84.4	„	0.1	None.	None.	None.	None.	None.
8 „	.752	.809	83.8	79.6	4.2	78.1	.84	83.6	84.5	„	0·1					
9 „	.769	.838	84.5	79.5	5.0	77.7	.81	83.6	84.5	„	0·3					
10 „	.771	.842	86.5	80.0	6.5	77.6	.76	85.0	84.6	WNW	0.5					
11 „	.770	.850	85.5	79.5	6.0	77.3	.77	84.5	84.6	„	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ∪ cirro-strati; ∩∪ cumulo-strati; and ≀∪ nimbi.	
1	B	Masses of ≀∪ scattered around hor.	Mean daily temperature of ground 20 and 60 inches below its surface 84°2 and 84°4.
1	C	Masses of ≀∪ scattered along E hor.	
1	C	" "	
2	C	≀∪ scattered about hor., moving SE.	
2	C	" "	
4	G	≀ along E hor.; ≀≀ scattered about, moving SE.	
4	G	≀∪ and ≀≀ scattered about, the former moving SE.	
6	G	≀ in S hem.; ≀∪ and ≀≀ scattered about, the former moving SE.	
7	G	≀∪ scattered throughout, moving SSE.	
5	B	≀∪ and ≀≀ scattered about, moving N.	
4	B	" " "	
4	B	≀ along E hor.; ≀≀ scattered around hor.	
2	B	∩ along E hor.; a few ≀≀ above SW hor.	
2	C	∩ along E hor.; otherwise cloudless.	
1	C	" "	
1	C	" "	
1	C	∩ and ≀≀ scattered from NW to SE hor.	
1	G	A bank of clouds from N to SE hor.	
2	G	≀≀ scattered about, moving SE.	
5	G	" "	
6	B	" "	
4	G	≀≀ scattered about, moving SSE; lightning in E and SE hor., at intervals of 3m.	
6	G	≀≀ and light ≀∪ scattered, the latter moving SSE; lightning in E and SE at intervals of 2m.	
6	G	" " " "	
3	B	≀∪ scattered about hor.	Mean daily temperature of ground 20 and 60 inches below its surface 84°8 and 84°5.
5	C	≀∪ scattered throughout, except about zth., moving SE.	
8	C	Overcast with ≀∪, moving SE.	
8	C	Overcast; a few stars dimly visible in N.	20th May there was good deal of thunder and lightning in E, in the morning the sky was densely clouded and rain, about 0·03 in. fell at 4 A. M.; the force of wind was moderate.
8	C	Overcast with ≀∪, moving SE.	
8	G	" "	
7	G	Nearly overcast with ≀∪ and ≀≀, the former moving SE.	
7	G	∩ along E hor.; ≀≀ and ≀∪ scattered about, the former moving S.	
8	G	Overcast with ≀∪; drops of rain commenced at 8h. 14m.	
8	B	Overcast; drops of rain ceased at 9h. 55m.	
8	B	Overcast with ≀∪, whose motion was not perceptible.	
8	B	" " "	
7	B	≀ along E hor.; otherwise clouded with ≀≀ and ≀∪.	
7	C	" " "	
7	C	Overcast with ≀∪ and ≀≀, both moving SE.	
7	C	" " "	
7	C	" " "	
4	N	∩ along E hor.; ≀≀ in SE hem.; ≀∪ in W.	
3	N	∩ along E hor.; ≀≀ and ≀∪ scattered from NNE to WSW hor.	
3	N	" " " "	
3	N	≀≀ and ≀∪ scattered about hor.	
3	B	" "	
3	B	" "	
3	B	" "	
7	B	Densely clouded with ≀≀ and ≀∪, whose motion was not apparent.	Mean daily temperature of ground 20 and 60 inches below its surface 82°7 and 82°9.
8	C	Overcast with ≀≀ and ≀∪, whose motion was not apparent.	
8	C	Overcast with ≀≀ and ≀∪, the latter moving ENE.	
8	C	Overcast; a few stars dimly visible about zth.	
6	C	≀∪ scattered about, moving E.	
8	N	Overcast with ≀≀.	
7	N	A few masses of ≀∪ in E; ≀≀ scattered throughout.	
8	N	Overcast with ≀≀.	
8	N	Overcast with ≀≀ and ≀∪.	
8	B	" "	
7	B	Densely clouded with ≀≀ and ≀∪.	
8	B	Overcast with ≀∪ and ≀≀.	

Bombay Civil Time. 1860.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
May 22nd-Noon.	29.763	28.861	85°2	79°0	6°2	76°7	0.76	84°5	84.7	WNW	0.1					
1 p. m.	.735	.787	85.0	79.8	5.2	78.3	.80	84.4	84.6	,,	0.2		+	1		Above 10m.
2 ,,	.706	.786	86.6	79.8	6.8	77.3	.75	85.2	84.7	,,	0.4		+	1		Above 10m.
3 ,,	.680	.745	87.6	80.4	7.2	77.8	.74	85.6	84.7	,,	0.5					
4 ,,	.680	.753	86.7	80.0	6.7	77.6	.75	85.2	84.8	,,	0.7					
5 ,,	.684	.770	85.6	79.4	6.2	77.1	.77	85.0	84.8	,,	0·3					
6 ,,	.687	.763	83.9	79.2	4.7	77.5	.82	84.0	84.7	,,	0.3	None.			None.	
7 ,,	.703	.776	82.9	79.0	3.9	77.6	.85	83.0	84.6	,,	0.2					
8 ,,	.719	.789	82.6	79.0	3.6	77.7	.86	82.8	84.5	,,	0·2					
9 ,,	.741	.808	82.4	79.0	3.4	77.8	.86	82.6	84.5	,,	0.0					
10 ,,	.741	.808	82.4	79.0	3.4	77.8	.86	82.6	84.5	,,	0.1					
11 ,,	.734	.827	82.0	78.3	3.7	76.9	.85	82.3	84.4	,,	0.1					
May 23rd-Midnight	.725	.817	81.6	78.2	3.4	76.9	.86	82:1	84.4	NW b W	0.1					
1 a. m.	.709	.839	81.4	77.2	4.2	75.6	.83	82.0	84.4	,,	0·1					
2 ,,	.693	.829	81.2	77.0	4.2	75.4	.83	81.8	84.4	,,	0.1					
3 ,,	.683	.817	81.0	77.0	4.0	75.4	.84	81.6	84.4	,,	0.1					
4 ,,	.791	.797	80.6	77.6	3.0	76.4	.88	81.3	84.3	NW	0.2					
5 ,,	.695	.804	80.5	77.5	3.0	76.3	.88	81.2	84.0	,,	0.1					
6 ,,	.718	.826	80.8	77.6	3.2	76.3	.87	81.6	84.0	NW b W	0.2					
7 ,,	.731	.849	83.2	78.0	5.2	76.0	.80	82.3	84.1	NW	0.1					
8 ,,	.742	.880	85.0	78.0	7.0	75.3	.74	83.7	84.3	,,	0.2					
9 ,,	.756	.865	86.2	79.0	7.2	76.3	.73	84.5	84.4	WNW	0.3					
10 ,,	.756	.901	87.0	78.4	8.6	75.0	.69	84.9	84.4	,,	0·3					
11 ,,	.751	.875	87.6	79.0	8.6	75.8	.69	85.2	84.5	,,	0·4	None.			None.	
Noon.	.740	.847	88.3	79.6	8.7	76.4	.69	85.9	84.6	,,	0.5					
1 p. m.	.710	.805	88.0	79.8	8.2	76.8	.70	86.2	84.7	,,	0.5					
2 ,,	.698	.788	88.3	80.0	8.3	77.0	.70	86.0	84.7	,,	0·5					
3 ,,	.682	.787	87.8	79.5	8.3	76.5	.70	85.6	84.8	,,	0.6		+	1		Above 10m.
4 ,,	.674	.767	87.6	79.8	7.8	76.9	.71	85.4	84.8	,,	0.4		+	1		Above 10m.
5 ,,	.677	.775	86.3	79.3	7.0	76.6	.74	85.3	84.9	,,	0.3					
6 ,,	.686	.789	84.9	78.8	6.1	76.5	.77	84.9	84.8	W	0.2		+	1		Above 10m.
7 ,,	.701	.811	83.6	78.3	5.3	76.3	.79	83.5	84.8	,,	0.2		+	1		Above 10m.
8 ,,	.722	.819	83.2	78.5	4.7	76.7	.82	83.3	84.7	,,	0.1		+	1		Above 10m.
9 ,,	.746	.860	82.9	78.0	4.9	76.1	.80	82.8	84.6	W b S	0.1		+	1		Above 10m.
10 ,,	.739	.835	83.1	78.5	4.6	76.8	.82	83.0	84.6	WSW	0.0		+	1		Above 10m.
11 ,,	.735	.827	82.8	78.5	4.3	76.9	.83	83.0	84.6	,,	0.0		+	1		Above 10m.
May 25th-Midnight	.756	.909	82.7	77.0	5.7	74.7	.78	83.0	84.7	WSW	0.0					
1 a. m.	.741	.882	82.4	77.2	5.2	75.2	.79	82.7	84.6	W	0.1		+	1		Above 10m.
2 ,,	.732	.871	82.2	77.2	5.0	75.2	.80	82.3	84.5	,,	0.1					
3 ,,	.722	.867	82.0	77.0	5.0	75.0	.80	82.0	84.4	W b N	0.1					
4 ,,	.723	.868	81.6	76.9	4.7	75.0	.81	82.0	84.3	WNW	0.1					
5 ,,	.728	.876	81.5	76.8	4.7	74.9	.81	81.4	84.2	,,	0.1					
6 ,,	.755	.905	81.7	76.8	4.9	74.8	.81	81.5	84.3	,,	0.1		+	2		Above 10m.
7 ,,	.771	.936	83.8	77.0	6.8	74.7	.74	82.8	84.3	,,	0·2					
8 ,,	.783	.936	85.6	77.8	7.8	74.7	.71	83.8	84.4	,,	0.2		+	1		Above 10m.
9 ,,	.794	.951	86.7	78.0	8.7	74.6	.68	84.5	84.5	,,	0.2		+	1		Above 10m.
10 ,,	.784	.948	87.4	78.0	9.4	74.3	.66	85.1	84.6	,,	0.2		+	1		Above 10m.
11 ,,	.775	.941	88.3	78.2	10.1	74.3	.64	85.3	84.7	,,	0.1	None.			None.	
Noon.	.767	.931	89.3	78.5	10.8	74.3	.62	86.0	84.9	,,	0.1					
1 p. m.	.738	.881	89.6	79.1	10.5	75.1	.64	86.5	84.9	W	0.3					
2 ,,	.723	.908	90.0	78.2	11.8	73.5	.60	86.9	85.1	,,	0.4		+	1		Above 10m.
3 ,,	.707	.820	89.6	79.8	9.8	76.2	.66	86.9	85.2	,,	0·5		+	1		Above 10m.
4 ,,	.694	.829	89.3	79.2	10.1	75.4	.65	86.8	85.2	,,	0.3		+	1		Above 10m.
5 ,,	.689	.815	88.1	79.1	9.0	75.7	.68	86.3	85.3	,,	0.2		+	1		Above 10m.
6 ,,	.700	.828	86.0	78.5	7.5	75.6	.72	85.5	85.2	,,	0.2		+	1		Above 10m.
7 ,,	.711	.813	84.8	78.8	6.0	76.6	.77	84.8	85.1	,,	0.2		+	1		Above 10m.
8 ,,	.724	.818	84.4	78.9	5.5	76.8	.79	84.1	85.0	,,	0·1		+	1		Above 10m.
9 ,,	.745	.851	84.0	78.5	5.5	76.4	.78	84.0	84.9	S W b W	0.0		+	1		Above 10m.
10 ,,	.752	.850	83.7	78.6	5.1	76.7	.80	83.7	84.9	W	0.0		+	1		Above 10m.
11 ,,	.736	.816	83.5	79.0	4.5	77.3	.82	83.4	84.8	S W b W	0.0.		+	1		Above 10m.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: Ni cirri; Vi cirro-cumuli; Ci cumuli; Li cirro-strati; Ci cumulo-strati; and Vi nimbi.	
7	B	Densely clouded with Vi.	
7	C	" "	
7	C	Ci along E hor.; Vi scattered throughout.	
6	C	Ci in NNE hor.; Vi scattered about.	
4	C	Vi scattered about hor.	
4	N	Ni and Vi scattered about.	
4	N	" "	
4	N	" "	
4	N	" "	
6	B	" "	
6	B	" "	
3	B	Vi and Vi scattered about, both moving SE; Ni here and there observed.	
2	B	Vi and Vi scattered about hor., moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 84°8 and 84°6.
2	C	" " "	
2	C	Light Vi in E hem. and in W, moving SE.	
1	C	Vi scattered around hor., moving SE.	
0	C	A few pieces of Vi in E hor.	
4	N	Light Vi along E hor.; Ni and Vi scattered about.	
6	N	Vi in E hem. and Ni in W hem.; Vi scattered about, moving S.	
4	B	Vi scattered along in E hor.; Vi and Ni scattered about.	
7	N	Vi and Vi scattered about, the latter moving SSE.	
4	N	Vi and Vi scattered about hor.	
4	B	" "	
3	B	Vi around hor.; Ni scattered along S hor.	
6	B	A few masses of Vi in N; Vi scattered throughout.	
6	G	Vi scattered throughout, moving ESE.	
5	G	Masses of Vi and Vi scattered about, the former moving E.	
5	G	Light Vi and Vi scattered about, both moving E.	
3	G	Patches of Vi scattered about, moving E.	
3	G	" " "	
4	G	Ni in E hem. and Vi scattered about, moving E.	
5	G	Ni and Vi scattered about, moving E; lightning in ENE after 7h. 25m.	
2	G	Ni and Vi scattered about hor.; lightning in ENE at every 37s.	
4	G	Ni and Vi scattered about, moving E; lightning in E at every 5m.	
6	G	Vi like clouds scattered about, moving E; lightning in E at intervals of more than 10m.	
6	G	Clouded with Vi like clouds; lightning in E as before.	
1	B	Vi scattered around hor.	Mean daily temperature of ground 20 and 60 inches below its surface 84°5 and 84°2.
1	N	" "	
2	N	Vi scattered here and there, moving SE.	
1	N	Vi scattered around hor.	
1	N	" "	
1	G	" "	
1	G	Vi scattered about hor. and in E hem., moving SE.	
3	G	" " "	
4	G	Masses of Vi scattered about, moving SE.	
3	B	" " "	
2	B	Masses of Vi scattered around hor., moving SE.	
2	B	" " "	
2	B	Masses of Vi scattered about, moving SE.	
2	N	Masses of Vi scattered about, moving E.	
2	N	" " "	
3	N	" " "	
4	N	Vi scattered about, moving ESE.	
3	N	" "	
4	N	" "	
4	N	" "	
4	N	" "	
4	B	" "	
2	B	Masses of Vi scattered about hor.	
3	B	Vi scattered about hor., moving ESE.	

Bombay Civil Time. 1860.	Standard Barometer.		Thermometers.			Deduced Dew-Point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
May 26th-Midnight	29.727	28.837	83°2	78°2	5°0	76°3	0.80	83°2	84°8	WSW	0.1		+	1		Above 10m.
1 a. m.	.714	.807	82.9	78.5	4.4	76.9	.83	83.0	84.7	W b S	0.1		+	1		Above 10m.
2 „	.702	.794	82.8	78.5	4.3	76.9	.83	83.0	84.7	„	0.2					
3 „	.696	.805	82.4	78.0	4.4	76.5	.83	82.5	84.6	W	0.1		+	1		Above 10m.
4 „	.698	.797	82.2	78.2	4.0	76.7	.84	82.4	84.6	„	0.0					
5 „	.712	.817	82.0	78.0	4.0	76.5	.84	82.3	84.6	„	0.0					
6 „	.728	.793	82.2	79.0	3.2	77.8	.87	82.6	84.5	„	0.0					
7 „	.742	.817	85.0	79.5	5.5	77.5	.79	83.8	84.6	„	0.1					
8 „	.751	.831	86.6	79.8	6.8	77.3	.75	84.9	84.7	„	0.2		+	1		Not Obsd.
9 „	.760	.844	87.7	80.0	7.7	77.2	.72	85.5	84.9	„	0.1		+	1		Not Obsd.
10 „	.757	.850	88.5	80.0	8.5	76.9	.70	86.0	85.1	„	0.1		+	1		Not Obsd.
11 „	.744	.845	89.8	80.2	9.6	76.6	.67	86.5	85.2	WSW	0.1		+	1		Not Obsd.
Noon.	.735	.810	90.8	81.0	9.8	77.5	.66	87.1	85.3	„	0.1		+	1	None.	Not Obsd.
1 p. m.	.694	.774	91.4	81.0	10.4	77.3	.65	87.5	85.4	W	0.3	None.	+	2		Not Obsd.
2 „	.669	.745	91.8	81.2	10.6	77.5	.64	88.1	85.5	„	0.2		+	1		Not Obsd.
3 „	.658	.686	90.6	82.0	8.6	79.0	.70	87.8	85.6	„	0.4		+	3		Not Obsd.
4 „	.649	.741	90.4	80.5	9.9	76.9	.65	87.6	85.7	„	0.3		+	1		Not Obsd.
5 „	.649	.714	89.2	80.8	8.4	77.8	.70	87.3	85.7	„	0.2		+	2		Not Obsd.
6 „	.653	.733	87.4	80.0	7.4	77.3	.73	86.4	85.7	W b N	0.3		+	1		Not Obsd.
7 „	.664	.727	85.8	80.0	5.8	77.9	.78	85.7	85.6	W b S	0.1		+	1		Not Obsd.
8 „	.672	.745	85.2	79.6	5.6	77.6	.79	85.2	85.5	„	0.1		+	1		Not Obsd.
9 „	.687	.773	84.8	79.2	5.6	77.1	.79	84.7	85.4	„	0.1		+	1		Not Obsd.
10 „	.700	.782	84.5	79.2	5.3	77.3	.80	84.4	85.4	W	0.1		+	1		Not Obsd.
11 „	.699	.784	84.0	79.0	5.0	77.2	.81	84.0	85.3	„	0.1		+	2		Not Obsd.
May 27th-Midnight	.692	.786	83.7	78.7	5.0	76.8	.81	83.8	85.3	W b S	0.1		+	2		
1 a. m.	.673	.763	83.5	79.0	4.5	77.0	.82	83.7	85.2	W	0.1		+	4		
2 „	.669	.753	83.2	78.8	4.4	77.2	.83	83.5	85.2	„	0.1		+	4		
3 „	.670	.746	83.2	79.0	4.2	77.5	.83	83.3	85.1	„	0.2		+	6	6	5.10
4 „	.672	.767	83.0	78.5	4.5	76.8	.82	83.1	85.0	„	0.3		+	4	4	Above 10m.
5 „	.680	.778	82.9	78.4	4.5	76.7	.82	83.0	85.0	„	0.2		+	4	4	1.19
6 „	.702	.778	83.2	79.0	4.2	77.5	.84	83.3	85.0	W b N	0.2		+	4	4	2.40
7 „	.730	.803	85.2	79.6	5.6	77.6	.78	84.3	85.1	„	0.1					
8 „	.736	.841	86.6	79.2	7.4	76.5	.73	85.0	85.2	„	0.1					
9 „	.746	.859	87.7	79.3	8.4	76.2	.70	85.6	85.3	WNW	0.1					
10 „	.745	.861	88.8	79.5	9.3	76.1	.67	86.2	85.4	„	0.1					
11 „	.738	.846	90.0	80.0	10.0	76.4	.65	86.9	85.5	„	0.1					
Noon.	.717	.822	90.5	80.2	10.3	76.5	.65	87.3	85.6	„	0.4	None.				
1 p. m.	.699	.775	91.0	81.0	10.0	77.5	.66	88.0	85.7	W b N	0.3					
2 „	.669	.743	90.8	81.0	9.8	77.5	.66	88.0	85.8	„	0.4					
3 „	.659	.728	90.4	81.0	9.4	77.7	.67	87.9	85.8	WNW	0.5					
4 „	.645	.734	90.0	80.7	9.3	77.0	.67	87.7	85.9	„	0.4					
5 „	.652	.745	88.5	80.0	8.5	76.9	.70	87.0	85.9	„	0.3					
6 „	.666	.756	86.8	79.6	7.2	77.0	.74	86.3	85.8	W b N	0.5					
7 „	.678	.775	85.1	79.0	6.1	76.7	.77	85.1	85.7	W	0.2					
8 „	.688	.808	84.6	78.3	6.3	75.9	.76	84.5	85.6	„	0.1					
9 „	.702	.809	84.1	78.5	5.6	76.4	.78	84.1	85.6	„	0.1					
10 „	.701	.803	83.7	78.5	5.2	76.6	.80	83.9	85.5	WSW	0.0					
11 „	.701	.803	83.7	78.5	5.2	76.6	.80	83.8	85.4	„	0.1					
May 29th-Midnight	.719	.841	83.5	78.0	5.5	75.9	.79	83.8	85.4	W	0.0					
1 a. m.	.705	.802	82.8	78.4	4.4	76.7	.83	83.4	85.4	„	0.0					
2 „	.687	.805	83.2	78.0	5.2	76.4	.80	83.6	85.4	W b N	0.0					
3 „	.693	.821	82.6	77.6	5.0	75.6	.80	83.0	85.4	„	0.1					
4 „	.698	.829	82.2	77.4	4.8	75.5	.82	82.9	85.2	WNW	0.1					
5 „	.700	.825	82.0	77.5	4.5	75.8	.82	82.8	85.0	NW b W	0.1	None.	None.	None.	None.	None.
6 „	.724	.831	82.2	78.0	4.2	76.4	.83	82.6	85.0	„	0.1					
7 „	.747	.847	85.4	79.0	6.4	76.6	.76	84.0	85.0	„	0.0					
8 „	.758	.888	85.8	78.4	7.4	75.6	.73	84.6	85.0	„	0.0					
9 „	.776	.902	87.7	79.0	8.7	75.7	.68	85.4	85.3	W	0.1					
10 „	.774	.935	89.0	78.5	10.5	74.4	.63	86.0	85.4	WSW	0.1					
11 „	.762	.895	90.3	79.5	10.8	75.5	.63	87.0	85.6	W	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩ cumulo-strati; and ≀ nimbi.	
2	B	Masses of ≀ scattered about hor.	Mean daily temperature of ground 20 and 60 inches below its surface 84°6 and 84°0. The Temperature of Evaporation at 3 P.M. was 82°0, highest in the month, but only 1°7 higher than the Normal Mean.
1	G	" "	
2	G	" "	
2	G	At 3h. 34m., ≀ which were scattered around hor. came towards zth.; a few drops of rain fell.	
2	G	≀ scattered around hor. and in E.	
3	N	≀ in E; ≀ scattered about, moving E.	
3	N	" "	
4	N	≀ scattered about, moving E.	
4	N	" "	
4	B	" "	
4	B	≀ scattered about, moving ESE.	
3	B	∩ and ≀ around hor.	
4	B	∩ in hor.; ≀ scattered about, moving SE.	
3	G	∩ along E hor.; ≀ scattered about, moving SE.	
2	G	≀ scattered about hor., moving E.	
5	G	≀ scattered about, moving E.	
3	G	≀ scattered about, moving SE.	
4	N	" "	
3	N	Masses of ≀ scattered about, moving SE; lightning in E hor.	
3	N	" " " "	
3	N	≀ scattered about, moving SE.	
5	B	" "	
2	B	≀ scattered about hor.	
1	B	" "	
1	B	≀ scattered around hor.	Mean daily temperature of ground 20 and 60 inches below its surface 84°9 and 84°7.
1	G	" "	
1	G	" "	
2	G	≀ scattered above W, NW, NE, and E hor.	
3	G	≀ scattered about, moving SE.	
2	N	≀ scattered about hor.	
2	N	" "	
4	N	≀ scattered about, moving SE.	
4	N	" "	
3	B	" "	
3	B	" "	
2	B	" "	
2	B	∩ in hor.; ≀ scattered about, moving SE.	
4	C	∩ along E hor.; ≀ scattered about, moving ESE.	
2	C	∩ along E hor.; ≀ scattered around hor.	
2	C	" " "	
3	C	∩ along E hor.; ≀ scattered about, moving ESE.	
3	B	" " "	
1	B	≀ from E to W hor.; ≀ scattered around hor., moving ESE.	
2	B	" " "	
1	B	≀ scattered around hor.	
3	B	Masses of ≀ scattered about, moving E.	
2	B	" " "	
5	B	≀ scattered about, moving E.	
3	B	≀ scattered about hor., moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 85°1 and 84°8.
3	C	≀ scattered about, moving E.	
7	C	≀ scattered throughout, moving E.	
2	C	≀ scattered around hor.	
1	C	≀ scattered along E hor.	
3	R	≀ scattered about, moving SE.	
3	R	≀ and ≀ scattered about, the latter moving ESE.	
4	R	≀ in E of zth.; ≀ scattered about, moving ESE.	
3	R	≀ above E hor.; ≀ scattered about, moving SE.	
3	B	≀ along E hor.; ≀ scattered about, moving SE.	
2	B	≀ scattered around hor., except in W.	
2	B	A few ≀ above E hor.; ≀ scattered around hor., moving E.	

Bombay Civil Time. 1860.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
May 29th-Noon.	29.745	28.909	91°0	79°0	12°0	74°3	0.59	87°3	85·7	W	0.1					
1 p. m.	.725	.842	91.6	80.2	11.4	76.0	.62	87.9	85.7	,,	0.1					
2 ,,	.704	.851	91.6	79.5	12.1	75.0	.60	88.0	85.8	,,	0.1					
3 ,,	.692	.856	91.0	79.0	12.0	74.3	.59	87.9	85.9	,,	0.1					
4 ,,	.677	.813	90.2	79.4	10.8	75.4	.63	87.6	85.8	,,	0.1	None.	None.	None.	None.	None.
5 ,,	.675	.812	88.7	79.0	9.7	75.4	.66	87.0	86.0	,,	0.1					
6 ,,	.667	.801	87.1	78.5	8.6	75.2	.69	86.6	86.0	W b N	0.1					
7 ,,	.680	.820	85.2	78.0	7.2	75.2	.73	85.4	85.8	W	0.1					
8 ,,	.691	.843	84.5	77.5	7.0	74.8	.74	84.5	85.7	,,	0·1					
9 ,,	.704	.833	84.2	78.0	6.2	75.6	.76	84.2	85.6	,,	0·1					
10 ,,	.708	.852	83.8	77.5	6.3	75.1	.76	83.9	85.5	,,	0.1					
11 ,,	.704	.835	83.6	77.8	5.8	75.5	.78	83.5	85.5	W b S	0.1					
May 30th-Midnight	.692	.822	83.5	77.8	5.7	75.6	.78	83.5	85.4	W	0.1					
1 a. m.	.669	.791	82.8	77.8	5.0	75.9	.80	83.1	85.2	,,	0.1					
2 ,,	.663	.812	82.7	77.1	5.6	74.9	.78	83.0	85.2	,,	0.2					
3 ,,	.664	.793	82·4	77.5	4.9	75.6	.81	82.7	85.0	,,	0.1					
4 ,,	.670	.819	82.4	77.0	5.4	74.9	.79	82.7	85.6	,,	0.1					
5 ,,	.684	.807	81.9	77.5	4.4	75.8	.83	82.5	85·0	,,	0.1					
6 ,,	.707	.840	82.8	77.5	5.3	75.5	.79	82.8	85.1	,,	0.1					
7 ,,	.736	.874	85.0	78·0	7.0	75·3	.74	83.9	85.1	,,	0.1					
8 ,,	.752	.912	87.0	78.0	9.0	74.5	.67	85.0	85.3	W b S	0.1					
9 ,,	.769	.915	88.8	78.8	10.0	75.0	.65	85.9	85.4	W	0.1					
10 ,,	.769	.911	89.2	79.0	10.2	75.1	.64	86.3	85.5	,,	0·1	None.	None.	None.	None.	None.
11 ,,	.758	.912	90·3	79.0	11.3	74.7	.61	86.9	85.6	,,	0.1					
Noon.	.734	.893	91.2	79.1	12.0	74·5	.59	87.3	85.7	,,	0.1					
1 p. m.	.704	.879	91.4	78.8	12.6	73.9	.58	87.4	85.8	W b S	0·1					
2 ,,	.680	.828	91.7	79.5	12.2	74.7	.59	87.9	85.9	W	0.1					
3 ,,	.656	.812	91.2	79·2	12.0	74.6	.59	87·9	86·0	,,	0.1					
4 ,,	.649	.790	91.0	79.5	11.5	75.2	.61	87.9	86.0	,,	0.2					
5 ,,	.641	.775	89.2	79.2	10.0	75.4	.65	87.3	86.1	,,	0.1					
6 ,,	.655	.779	87.5	79.0	8.5	75.8	.69	86.9	86.1	WSW	0.1					
7 ,,	.678	.803	85·8	78·5	7.3	75.8	.73	85.8	85.9	SW b W	0·1					
8 ,,	.692	.828	84.8	78.0	6.8	75.4	.74	85.0	85.8	SW	0.1					
9 ,,	.722	.874	84.5	77.5	7.0	74.8	.74	84.1	85.7	,,	0.1					
10 ,,	.724	.861	84.2	77.8	6.4	75.3	.76	84.2	85.7	,,	0.1					
11 ,,	.723	.867	83·8	77.5	6.3	75.1	.76	84.0	85.6	,,	0·1					
May 31st-Midnight	.715	.848	83.4	77.7	5.7	75.5	.78	83.7	85.6	SSW	0.1					
1 a. m.	.694	.812	83.2	78.0	5.2	76.0	.80	83.5	85·6	,,	0.1					
2 ,,	.687	.833	82.8	77.2	5.6	75.0	.78	83.2	85.5	SW b S	0.0					
3 ,,	.693	.835	82.5	77.2	5.3	75.1	.79	83.0	85.4	,,	0·0					
4 ,,	.703	.815	82.6	78.0	4.6	76.2	.82	83.0	85.4	SW	0.0					
5 ,,	.708	.836	82.3	77.5	4.8	75.6	.81	82.8	85.2	SW b S	0.0					
6 ,,	.728	.846	83.2	78.0	5·2	76.0	.80	83.0	85.0	SSW	0.0					
7 ,,	.747	.861	86.6	79.0	7.6	76.1	.72	84.7	85.3	,,	0.2					
8 ,,	.756	.863	88·3	79.6	8.7	76.4	.69	85.9	85.5	S	0.1					
9 ,,	.781	.890	90.1	80.0	10.1	76.3	.65	87.0	85.7	,,	0.1					
10 ,,	.775	.897	91.3	80.0	11.3	75.9	.62	87.3	85.8	S b W	0.1	None.	None.	None.	None.	None.
11 ,,	.764	.876	92.3	80.5	11·8	76.2	.60	88.0	85.9	SW b S	0.1					
Noon.	.752	.878	92·8	80.3	12.5	75.7	.59	88.3	86.1	SW	0.1					
1 p. m.	.722	.846	93.0	80.4	12.6	75.8	.59	89.0	86.2	,,	0.1					
2 ,,	.707	.813	93.7	81.0	12.7	76.4	.59	89.4	86.4	,,	0.2					
3 ,,	.699	.790	93.6	81.3	12.3	76.9	.60	89.7	86.5	,,	0.1					
4 ,,	.700	.787	92.0	81.0	11.0	77.1	.63	89.0	86.5	SW b S	0.2					
5 ,,	.710	.802	90.4	80.5	9.9	76.9	.66	88.5	86.5	,,	0.1					
6 ,,	.725	.840	88.7	79.5	9.2	76.1	.67	88.0	86.5	SW	0.1					
7 ,,	.747	.860	86.5	79.0	7.5	76.2	.72	86.5	86.4	,,	0.2					
8 ,,	.763	.868	85.8	79.0	6.8	76.5	.75	86.0	86.2	SSW	0.2					
9 ,,	.776	.876	85.4	79.0	6.4	76.6	.76	85.3	86.1	,,	0.1					
10 ,,	.786	.853	85.1	79·7	5.4	77.3	.79	85.2	86.1	,,	0.0					
11 ,,	.781	.839	84.6	79.8	4·8	78.1	.81	85.0	86.1	,,	0.1					

Amount of Clouds 0—8.	Observer.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: cirri; cirro-cumuli; cumuli; cirro-strati; cumulo-strati; and nimbi.	
2	B	A few above E hor.; scattered around hor., moving E.	
4	C	above E hor.; scattered about, moving E.	
4	C	A few along E hor.; scattered about, moving E.	
3	C	" " " "	
4	C	above E hor.; scattered about, moving E.	
3	R	and above E and SE hor.; scattered about, moving E.	
6	R	along E hor; all round hor.; scattered throughout.	
5	R	above E hor.; about zth.; scattered about hor., moving E.	
2	R	along E hor.; above NW hor; a few masses of above W hor.	
0	B	A few pieces of in S; a few in N, above hor.	
1	B	in S hor.; scattered along W hor., moving ESE.	
6	B	scattered throughout, moving ESE.	
4	B	A few pieces of above S hor.; scattered about hor., moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 85°4 and 85°0.
3	C	scattered about hor. and in S of zth., moving E.	
1	C	scattered along E hor.	
2	C	scattered above E and W hor.	
1	C	" "	
7	R	scattered throughout; drops of rain fell between 5h. 10m. and 5h. 15m.	
4	R	scattered about, moving ENE.	
3	R	" "	
2	R	A few above N hor.; scattered around hor., except in S.	
2	B	scattered around hor.	
2	B	Patches of scattered here and there, moving E.	
1	B	Masses of scattered around hor.	
1	B	" "	
1	C	scattered around hor., except in E.	
0	C	A few pieces of in W hor.	
0	C	" "	
2	C	Masses of scattered about, moving E.	
4	R	" " "	
3	R	" " "	
3	R	" " "	
2	R	scattered about hor., moving E.	
3	B	" "	
4	B	scattered about hor., moving ENE.	
2	B	scattered about hor.	
3	B	Masses of scattered about, moving NE.	Mean daily temperature of ground 20 and 60 inches below its surface 85°4 and 85°0. Temperature of Air at 2 P. M. was 93°7, highest in the month, and about 4°3 higher than the Normal Mean.
4	C	" " "	
2	C	scattered about hor., moving NE.	
3	C	scattered about, moving NE.	
3	C	" " "	
2	R	Patches of scattered about, moving NE.	
2	R	" " "	
2	R	scattered around hor., moving NE.	
2	R	" " "	
6	B	scattered throughout, moving NE.	
2	B	Patches of scattered about, moving NE.	
2	B	" " "	
2	B	" " "	
2	C	A few in E and S hor.; masses of scattered here and there, moving NE.	
4	C	scattered along E hor.; scattered here and there, moving NE.	
4	C	Clouded as at 2 P. M.	
4	C	along E hor; scattered, moving NE.	
4	R	" " "	
5	R	and scattered about, the latter moving NE.	
3	R	" " "	
1	R	scattered in W and N, moving NE.	
4	B	scattered about, moving NE.	
2	B	Masses of scattered about, moving NE.	
1	B	Masses of scattered around hor.	

Bombay Civil Time. 1860.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
June 1st-Midnight	29.770	28.843	84°4	79°4	5°0	77°6	0.81	84°7	86°1	SSW	0.1					
1 a. m.	.742	.827	84·0	79.0	5.0	77.2	.81	84.4	86.0	SW b S	0.1					
2 „	.736	.806	83·4	79.2	4.2	77.7	.84	84.0	86.0	SW	0.0					
3 „	.733	.807	83.0	79.0	4.0	77.5	.84	83.9	85.9	„	0.0					
4 „	.742	.812	82.6	79.0	3.6	77.7	.86	83.4	85.7	„	0.0					
5 „	.745	.812	82.4	79.0	3.4	77.8	.86	83.0	85.6	„	0.0					
6 „	.765	.805	83.7	80.0	3.7	78.7	.85	83.8	85.6	„	0.0		+	3		Above 10m.
7 „	.783	.811	86.5	81.0	5.5	79.1	.79	85.5	85.8	SSE	0.1		+	6	6	2.00
8 „	.789	.833	88.0	81.0	7.0	78.5	.74	86.3	85.9	SE	0.0		+	1		Above 10m.
9 „	.803	.877	88.8	80.5	8.3	77.5	.70	86.9	86.0	SE b E	0.1		+	4	4	3.25
10 „	.800	.890	90.2	80.5	9.7	77.0	.66	87.3	86.1	„	0.1		+	2		Above 10m.
11 „	.781	.828	90.7	81.6	9.1	78.4	.68	87.7	86.3	WSW	0.1		+	4	4	0.58
Noon.	.774	.857	91.6	81.0	10.6	77.2	.64	88.0	86.3	W	0.1	None.	+	2		3.46
1 p. m.	.747	.836	92.2	81.0	11.2	77.0	.62	88.5	86.5	WSW	0.1		+	2		Above 10m.
2 „	.729	.805	92.6	81.4	11.2	77.5	.62	89.0	86.6	„	0.1					Above 10m.
3 „	.704	.802	93.0	81.0	12.0	76.7	.60	89.4	86.7	W b S	0.1		+	1		Above 10m.
4 „	.696	.749	92.1	81.8	10.3	78.2	.65	89.0	86.7	„	0.1					
5 „	.683	.732	90.5	81.5	9.0	78.4	.69	88.6	86.7	„	0.1					
6 „	.687	.742	88.6	80.9	7.7	78.2	.72	88.0	86.6	W b N	0.1					
7 „	.711	.784	86.7	80.0	6.7	77.6	.75	86.6	86.5	„	0.2					
8 „	.729	.796	86.2	80.0	6.2	77.8	.77	86.1	86.5	W b S	0.1					
9 „	.764	.829	86.0	80.0	6.0	77.8	.77	86.0	86.5	WSW	0.1					
10 „	.764	.823	85.4	80.0	5.4	78.0	.79	85.4	86.4	SW	0.0					
11 „	.761	.815	85.0	80.0	5.0	78.2	.81	85.2	86.4	„	0.1					
June 2nd-Midnight	.753	.807	85.0	80.0	5.0	78.2	.81	85.2	86.3	SW	0.1					
1 a. m.	.763	.813	84.6	80.0	4.6	78.3	.82	85.0	86.2	SSW	0.0					
2 „	.752	.799	84.4	80.0	4.4	78.4	.83	84.9	86.1	„	0.0					
3 „	.746	.789	84.0	80.0	4.0	78.6	.84	84.6	86.0	„	0.0					
4 „	.748	.787	83.6	80.0	3.6	78.7	.86	84.2	86.0	SW b S	0.0					
5 „	.745	.781	83·4	80.0	3.4	78.8	.87	84.0	85.9	„	0.0					
6 „	.766	.766	84.0	81.0	3.0	80.0	.88	84.2	86.0	S	0.0					
7 „	.780	.806	87.2	81.2	6.0	79.1	.78	85.9	86.1	„	0.0					
8 „	.791	.818	88.0	81.4	6.6	79.1	.76	86.5	86.2	„	0.0					
9 „	.808	.826	89.6	82.0	7.6	79.4	.73	87.5	86.4	SSE	0.1					
10 „	.811	.850	91.5	82.0	9.5	78.7	.67	88.0	86.5	„	0·1					
11 „	.799	.871	91.8	81.3	10.5	77.6	.64	88.3	86.6	SW	0.1					
Noon.	.774	.861	92.0	81.0	11.0	77.1	.63	88.3	86.6	W b S	0.1				None.	
1 p. m.	.753	.807	93.0	82.0	11.0	78.2	.63	89.2	86.7	„	0.1					
2 „	.737	.780	93.4	82.2	11.2	78.6	.63	89.4	86.9	WSW	0.2					
3 „	.719	.735	93.6	83.0	10.6	79.4	.65	90.0	87.0	„	0.2					
4 „	.709	.741	93.0	82.5	10.5	78.9	.65	90.0	87.1	„	0.1					
5 „	.715	.723	90.8	82.5	8.3	79.7	.71	89.0	87.2	W	0.2					
6 „	.724	.744	89.8	82.0	7.8	79.3	.72	88.6	87.2	„	0.1					
7 „	.753	.773	87.9	81.5	6.4	79.3	.77	87.3	87.1	„	0.1					
8 „	.766	.762	87.5	81.5	6.0	79.4	.78	87.0	86.9	„	0.1					
9 „	.783	.765	87.2	82.2	5.0	80.5	.81	86.8	86.9	„	0.1					
10 „	.808	.810	86.6	81.6	5.0	79.7	.81	86.5	86.9	„	0·2					
11 „	.800	.863	83.5	79.4	4.1	77.9	.84	84.2	86.6	SSW	0.0	0.06	+	5		3.18
June 4th-Midnight	.743	.795	84.8	80.0	4.8	78.3	.81	85.0	86.1	WNW	0.2					
1 a. m.	.734	.748	84.5	80.8	3.7	79.5	.86	84.8	86.2	„	0.1					
2 „	.721	.760	84.4	80.2	4.2	78.7	.84	84.5	86.2	„	0.2					
3 „	.721	.760	84.4	80.2	4.2	78.7	.84	84.5	86.2	NW	0.1					
4 „	.722	.851	81.7	77.3	4.4	75.6	.83	82.6	85.7	„	0.1	0.05	—	Out of Sc.	1.00	0.10
5 „	.710	.759	82.6	79.5	3.1	78.4	.87	82.2	85.8	NW b N	0.0	0.01				
6 „	.720	.750	82.8	80.0	2.8	79.0	.89	82.4	85.7	NW	0.0					
7 „	.736	.739	85.1	81.2	3.9	79.9	.85	84.5	85.9	NW b N	0.0					
8 „	.746	.746	87.2	81.8	5.4	80.0	.80	85.3	85.9	NW	0.1					
9 „	.749	.735	88.8	82.5	6.3	80.4	.77	86.5	86.2	„	0.1		+	1		Above 10m.
10 „	.748	.736	89.8	82.7	7.1	80.3	.75	87.3	86.3	„	0.2			1		Above 10m.
11 „	.737	.766	89.8	81.8	8.0	79.0	.72	87.3	86.4	„	0.4			1		Above 10m.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀∿ cirro-cumuli; ∩ cumuli; ≀— cirro-strati; ∩— cumulo-strati; and ∿— nimbi.	
4	B	∿ scattered about hor., moving NE.	Mean daily temperature of ground 20 and 60 inches below its surface 85°6 and 85°1.
1	C	" " "	
2	C	" " "	
2	C	∿ scattered around hor., moving N.	
1	C	" " "	
4	R	∿ scattered about, moving ENE.	
2	R	≀ along E hor.; ∿ scattered around hor.	
2	R	" " "	
3	R	∿ around hor.; ≀ scattered here and there.	
2	B	≀ along E hor.; ∿ scattered around hor., except in W.	
3	B	≀ along E hor.; ∿ scattered around hor.	
3	B	∿ around hor.; ≀ scattered here and there.	
3	B	∿ scattered about hor.	
2	C	∿ along E hor.; ≀ scattered here and there.	
1	C		
1	C	" " "	
		" " "	
1	C	∩ in ENE hor.; ≀ scattered here and there.	
1	R	∩ in E hor.; ≀ scattered in W and N hor.	
4	R	∩ in E hor.; ≀ scattered about.	
2	R	≀ scattered about.	
0	R	A few ≀ in E hor.	
1	B	∿ and ∿ around hor.; ≀ scattered above E and SE hor.	
2	B	∿ scattered about, moving NE.	
5	B	" "	
5	B	∿ scattered about, moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 85°7 and 85°1. The height of Barometer was 29·80 in., greatest in the month, and about 0·068 in. greater than the Normal Mean. Temperature of Air at 3 P. M. was 93·6, greatest during the month, and 5°2 greater than the Normal Mean.
6	C	∿ scattered about, moving NE.	
5	C	≀ along E and SW hor.; ∿ scattered about, moving NE; lightning in SE, observed at 2h. 22m.	
3	C	≀ from NE to W hor.; ∿ from NW to NE hor.; lightning in SE, S, and SW hor.	
2	C	∿ scattered around hor., moving NE; continuous lightning in S, SE, and SW hor.	
4	R	∿ and ≀ scattered about, the former moving NE.	
4	R	" " "	
2	R	∿ and ≀ scattered about, the former moving NNE.	
2	R	" " "	
2	B	A few ≀ above SE hor.; ∿ scattered around hor., moving NNE.	
2	B	∿ scattered about hor., moving NE.	
2	B	" "	
1	B	∿ scattered around hor.	
2	C	" "	
2	C	Light ≀ in SE and SW, above hor.; ∩ and ∿ scattered around hor.	
3	C	∩ and ∿ around hor.; ∿ scattered about zth., moving ENE.	
3	C	∩ along E hor.; ∿ scattered here and there, moving E.	
2	B	∩ and ∿ scattered about hor.; ≀ scattered in NE and S.	
5	B	∩ along E hor.; ∿ and ≀ scattered about, the former moving ENE.	
7	B	∩ along E hor.; ∿ and ≀ scattered throughout, the former moving ENE; lightning in ESE at every 43s.	
8	B	∩ in E hor.; ∿ & ≀ scattered; lightning in E & SE at every 10s.; thunder in S; rain commenced at 9h. 57m.	
8	B	Overcast with ∿, moving E; lightning & *thunder in S*, the former at 10s. intervals, & the latter at 4m. intervals; rain.	
8	B	Overcast with ∿, moving E; lightning & thunder in S, the former at 10s. intervals, but the latter heard occasionally;	
8	B	Overcast with ∿, moving E; lightning in S at intervals of 1m. 26s. [light rain at 10h. 5m., ceased at 10h. 47m.	
7	C	∿ around hor.; ∿ scattered throughout, moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 85°7 and 85°1.
6	B	∿ around hor.; ∿ scattered throughout, moving ESE.	
7	B	" " " [3h. 22m., 3h. 29m., and 3h. 53m.	
7	B	Densely clouded with ∿, moving SE; lightning & thunder in NE, at intervals of 1m. 50s. after 3h. 45m; light rain at	
7	B	Densely clouded with ∿ in E hem.; ∿ in W hem.; lightning in NE hor. at intervals of 1m. 25s; thunder in S at 4h. 52m.;	
6	G	∿ and ∿ scattered throughout, except in NW, N, and NNE of zth; lightning in S. [light rain from 4h. to 4h. 5m.	
6	G	≀, ∿, and ∿ scattered about, the latter moving SE.	
3	G	≀, ≀—, and ∿ around hor.; masses of ∿ moving E.	
5	G	≀ and ∿ scattered around hor.; masses of ∿ floating E.	
4	G	Densely clouded around hor.; masses of ∿ floating E.	
5	G	≀ above E, SE, and S hor.; ∿ in SW; ∿ scattered in W hem., moving E; scud around hor.	
6	G	Dense fleecy clouds and ∿ scattered about, moving E; ∩ in E, SE, and S hor.; scud around hor.	

Bombay Civil Time. 1860.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet-Bulb Thermometer.	Depression of Wet-Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
June 4th-Noon.	29.723	28.726	90°3	82°5	7°8	79°9	0.72	87°5	86°4	NW	0.4		+	1		Above 10m.
1 p. m.	.708	.780	90.5	81.0	9.5	77.6	.67	87.8	86.5	,,	0.3					
2 ,,	.696	.746	91.0	81.6	9.4	78.3	.67	88.1	86.6	NW b W	0.2					
3 ,,	.657	.773	91.2	80.2	11.0	76.1	.63	88.4	86.7	WNW	0.3					
4 ,,	.643	.701	90.5	81.3	9.2	78.1	.68	88.2	86.8	,,	0.4					
5 ,,	.639	.700	88.8	80.8	8.0	78.0	.71	87.4	86.9	,,	0.6					
6 ,,	.647	.703	87.1	80.5	6.6	78.1	.76	86.7	86.7	NW b W	0.4	None.	None.		None.	
7 ,,	.664	.737	85.6	79.7	5.9	77.6	.78	85.8	86.5	WNW	0.4					
8 ,,	.697	.712	85.4	81.0	4.4	79.5	.83	85.5	86.3	NW b W	0.5					
9 ,,	.722	.737	85.4	81.0	4.4	79.5	.83	85.3	86.4	NW	0.5					
10 ,,	.743	.795	84.8	80.0	4.8	78.3	.81	85.0	86.3	,,	0.5					
11 ,,	.747	.797	84.6	80.0	4.6	78.3	.82	84.9	86.3	,,	0.4					
June 5th-Midnight	.731	.781	84.6	80.0	4.6	78.3	.82	84.8	86.3	NW	0.9		+	1		Above 10m.
1 a. m.	.712	.759	84.4	80.0	4.4	78.4	.83	84.5	86.2	,,	0.3					
2 ,,	.702	.766	84.0	79.5	4.5	77.9	.82	84.2	86.1	,,	0.3					
3 ,,	.687	.753	83.8	79.4	4.4	77.8	.83	84.0	86.1	NW b N	0.2					
4 ,,	.686	.725	83.6	80.0	3.6	78.7	.86	83.9	86.0	,,	0.2					
5 ,,	.689	.724	83.3	80.0	3.3	78.8	.87	83.8	86.0	NNW	0.2					
6 ,,	.703	.742	83.6	80.0	3.6	78.7	.86	83.8	86.0	,,	0.1					
7 ,,	.716	.740	84.6	80.6	4.0	79.2	.84	84.6	86.0	,,	0.2					
8 ,,	.731	.765	87.1	81.0	6.1	78.9	.77	86.0	86.1	,,	0.1					
9 ,,	.739	.790	88.7	81.0	7.7	78.3	.72	87.9	86.3	NW b N	0.3					
10 ,,	.754	.767	90.0	82.2	7.8	79.5	.72	87.9	86.4	NW	0.3					
11 ,,	.743	.729	90.8	83.0	7.8	80.4	.72	88.2	86.4	,,	0.3	None.			None.	
Noon.	.725	.757	90.9	82.0	8.9	78.9	.69	88.2	86.7	,,	0.4					
1 p. m.	.706	.753	92.4	82.0	10.4	78.4	.65	89.0	86.7	WNW	0.3					
2 ,,	.663	.689	92.5	82.5	10.0	79.1	.66	89.2	86.9	,,	0.2					
3 ,,	.634	.634	92.0	83.0	9.0	80.0	.69	89.2	87.1	W b N	0.4					
4 ,,	.617	.640	91.3	82.3	9.0	79.2	.69	89.1	87.1	W	0.5					
5 ,,	.623	.640	89.8	82.1	7.7	79.4	.73	88.0	87.1	,,	0.5					
6 ,,	.628	.628	88.0	82.0	6.0	80.0	.78	87.3	87.0	,,	0.4					
7 ,,	.650	.663	86.4	81.3	5.1	79.7	.81	86.4	86.9	,,	0.2					
8 ,,	.682	.668	85.9	81.8	4.1	80.4	.84	86.0	86.7	W b N	0.3					
9 ,,	.696	.681	85.4	81.7	3.7	80.4	.85	85.7	86.7	WNW	0.3					
10 ,,	.700	.678	85.2	81.8	3.4	80.6	.87	85.5	86.6	NW b W	0.3					
11 ,,	.698	.674	85.0	81.8	3.2	80.7	.87	85.3	86.5	,,	0.3					
June 6th-Midnight	.691	.698	84.6	81.0	3.6	79.7	.86	84.8	86.5	WNW	0.4					
1 a. m.	.675	.681	84.5	81.0	3.5	79.8	.86	84.7	86.5	,,	0.7					
2 ,,	.663	.690	84.1	80.4	3.7	79.1	.85	84.3	86.4	NW b W	0.7					
3 ,,	.660	.658	83.8	81.0	2.8	80.0	.89	84.1	86.4	,,	0.4					
4 ,,	.664	.680	83.5	80.5	3.0	79.4	.88	83.9	86.3	NW	0.4					
5 ,,	.673	.705	83.0	80.0	3.0	78.9	.88	83.8	86.1	,,	0.0					
6 ,,	.683	.685	83.4	80.8	2.6	79.9	.90	83.8	86.0	,,	0.0					
7 ,,	.704	.696	85.6	81.6	4.0	80.2	.85	85.3	86.2	,,	0.1					
8 ,,	.710	.721	87.3	81.7	6.1	79.6	.78	87.2	86.3	WNW	0.1					
9 ,,	.711	.718	88.6	82.0	6.6	79.7	.76	87.8	86.5	,,	0.1					
10 ,,	.702	.727	89.4	81.8	7.6	79.2	.73	87.8	86.6	,,	0.1					
11 ,,	.683	.688	90.5	82.5	8.0	79.8	.72	88.0	86.7	,,	0.2					
Noon.	.664	.655	91.3	83.0	8.3	80.2	.71	88.8	86.7	,,	0.3					
1 p. m.	.654	.651	91.8	83.0	8.8	80.1	.70	88.9	86.8	,,	0.2					
2 ,,	.636	.679	91.9	82.0	9.9	78.6	.66	89.0	86.9	,,	0.5					
3 ,,	.612	.645	91.0	82.0	9.0	78.9	.69	88.7	86.9	W b N	0.6	A few drops of rain.				
4 ,,	.606	.645	90.0	81.6	8.4	78.7	.70	88.2	87.0	W	0.3		±	Out of Sc.	30	0.05
5 ,,	.598	.615	87.1	81.4	5.7	79.4	.79	86.8	86.8	W b N	0.4		−	Out of Sc.	Out of Sc.	Instantly.
6 ,,	.636	.660	86.2	81.0	5.2	79.2	.80	86.3	86.7	WNW	0.4		±	17	17	0.72
7 ,,	.678	.656	86.0	82.0	4.0	80.6	.85	86.0	86.6	,,	0.1					
8 ,,	.690	.670	85.8	81.9	3.9	80.6	.85	85.9	86.6	W	0.1					
9 ,,	.688	.665	85.5	81.9	3.6	80.7	.86	85.7	86.6	,,	0.1					
10 ,,	.692	.663	85.4	82.0	3.4	80.8	.87	85.5	86.6	W b N	0.1					
11 ,,	.706	.675	85.2	82.0	3.2	80.9	.87	85.4	86.6	,,	0.0					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the *clouds* are: ≤ cirri; ≤≤ cirro-cumuli; ∩ cumuli; ∪ cirro-strati; ∩∪ cumulo-strati; and ≤∪ nimbi.	
2	G	Dense clouds; ∩ and ≤ with scud around hor.	
2	B	" " "	
1	B	∩ along E hor.; scud around hor.	
1	B	∩ in ENE hor.; ≤ and scud in the remainder of hor.	
2	B	∩ in hor., from NW to E; ≤ and ≤≤ scattered around hor.	
4	C	∩ along E hor.; ≤ scattered about.	
4	C	" "	
4	C	≤≤ around hor; ≤ scattered about; continuous lightning in E hor., observed after 7h. 10m.	
6	C	≤≤ scattered throughout, moving E; continuous lightning in E hor.	
6	N	≤, ≤≤, and ≤≤ scattered about, the latter moving ESE; lightning in E at intervals of 20s.	
6	N	≤ and ≤≤ scattered about, the latter moving NNW; lightning in E; distant thunder in ESE, heard at 10h. 52m.	
6	N	≤ and ≤≤ scattered throughout, the latter moving SE; lightning and thunder in E at long intervals.	
4	N	≤ and ≤≤ scattered about, the latter moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 85°8 and 85°2.
7	B	" " "	
7	B	A few ≤ about zth.; ≤≤ scattered throughout, moving SE.	
7	B	≤≤ around hor.; ≤ scattered throughout.	
5	B	≤≤ and ≤ scattered about, the former moving SE.	
5	C	≤≤ above E hor.; ≤≤ scattered about, moving SE.	
6	C	≤≤ and ≤≤ scattered throughout, both moving SE.	
4	N	≤, ≤≤, and ≤≤ scattered about, the latter moving SSE.	
5	C	≤≤ around hor., moving SSE; ≤≤ and ≤ scattered about.	
5	C	" " "	
6	N	≤≤ around hor.; ≤ scattered throughout.	
4	N	" " "	
4	N	" " "	
5	B	∩ from N to SE hor.; ≤≤ in the remainder of hor.; ≤ scattered about.	
4	B	Clouded as before.	
3	B	" "	
6	B	" "	
5	C	∩ along E hor.; ≤ and ≤≤ scattered about.	
5	C	∩ and ≤≤ along E hor.; ≤ scattered about.	
6	C	∩ along E hor.; ≤ and ≤≤ scattered about; lightning in NE hor.	
4	C	≤ and ≤≤ scattered about hor.	
7	N	≤ scattered throughout.	
6	N	≤≤ in E; ≤≤ along E hor.; ≤ scattered throughout.	
6	N	≤ and ≤≤ scattered throughout, the latter moving SE.	
6	N	≤ and ≤≤ scattered throughout, the latter moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 85°9 and 85°2.
6	B	A few ≤ about zth.; ≤≤ scattered throughout, moving SE.	
4	B	≤ and ≤≤ scattered throughout, the latter moving SE; lightning in E at intervals of 1h. 13m., observed after 2h. 15m.	
4	B	≤≤ scattered around hor.; ≤ scattered about; lightning in ESE at intervals of 34s.	
4	B	≤≤ around hor.; ≤ and ≤≤ scattered throughout; lightning in ENE at intervals of 43s.	
7	C	≤≤ around hor.; ≤ and ≤≤ scattered about.	
6	C	" " "	
6	N	≤, ≤≤, and ≤≤ scattered about.	
5	C	≤≤ around hor.; ≤ and ≤≤ scattered about.	
4	C	" " "	
3	N	≤ and ≤≤ scattered about.	
2	N	≤≤ around hor.; ≤ scattered here and there.	
2	N	≤≤ scattered around hor.	
2	B	∩ along E hor.; ≤≤ in the remainder of hor.; a few ≤ in SE.	
4	B	∩ from NW to SE hor.: ≤≤ in W hor.; ≤ scattered about; thunder in SE, heard at 2h. 58m.	
6	B	∩ from NW to SE hor.; ≤≤ and ≤ scattered throughout.	
7	B	∩ in N and NE hor.; light ≤≤ and ≤ scattered throughout.	
8	C	∩ around hor.; ≤ and light ≤≤ scattered throughout; a little portion of sky clear above NW hor.	
8	C	Overcast; breaks in NW above hor.; lightning in N; a few drops of rain at 6h. 32m.; a rain-bow observed in E at 6h. 30m.	
8	C	Overcast with ≤≤, moving ESE; lightning in N at long intervals; a few drops of rain at 7h. 25m.	
8	C	Overcast; lightning in N hor. in every 5m., drops of rain now and then.	
8	N	Overcast; a few stars dimly visible about 2h.	
8	N	" "	
8	N	Overcast with ≤≤ and ≤.	

Bombay Civil Time. 1860.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
June 7th-Midnight	29.694	28.666	84°6	81°8	2°8	80°8	0.89	85°0	86°5	NNW	0.0					
1 a. m.	.655	.648	84.2	81.2	3.0	80.2	.88	84.5	86.5	„	0.0					
2 „	.625	.623	83.8	81.0	2.8	80.0	.89	84.3	86.4	„	0.0					
3 „	.614	.597	84.0	81.4	2.6	80.5	.90	84.5	86.4	NW b W	0.4					
4 „	.616	.635	83.8	80.5	3.3	79.3	.87	84.2	86.3	WNW	0.6					
5 „	.632	.636	83.6	80.8	2.8	79.8	.89	84.0	86.2	NW b W	0·1					
6 „	.651	.649	83.8	81.0	2.8	80.0	.89	84.1	86.2	„	0.1					
7 „	.666	.637	85.4	82.0	3.4	80.9	.87	85.0	86.3	„	0.1					
8 „	.670	.677	88.6	82.0	6.6	79.7	.76	86.6	86.4	NW	0·1					
9 „	.677	.717	88.8	81.3	7.5	78.7	.73	87.0	86.5	„	0·1					
10 „	.677	.661	90.6	83.0	7.6	80.5	.73	88.3	86.7	WNW	0·2					
11 „	.675	.652	90.0	83.0	7.0	80.7	.75	88.2	86.7	NW b W	0.2					
Noon.	.657	.637	89.4	82.8	6.6	80.6	.76	88.0	86.8	„	0.2	None.	None.	None.	None.	None.
1 p. m.	.636	.633	89.8	82.5	7.3	80.1	.73	88.1	86.8	WNW	0.2					
2 „	.616	.647	90.8	82.0	8.8	79.0	.69	88.6	87.0	„	0.3					
3 „	.595	.628	91.0	82.0	9.0	79.0	.69	88.6	87.1	„	0.2					
4 „	.581	.586	90.5	82.5	8.0	79.8	.72	88.6	87.0	W b N	0·8					
5 „	.573	.580	88.8	82.0	6.0	79.7	.76	87.8	87.0	„	0.5					
6 „	.583	.574	87.2	82.0	5.2	80.2	.80	86.9	87.0	„	0·4					
7 „	.620	.598	86.0	82.0	4.0	80.6	.85	86.0	86.8	W	0·1					
8 „	.630	.606	85.8	82.0	3.8	80.7	.85	86.0	86.7	„	0.1					
9 „	.628	.602	85.6	82.0	3.6	80.8	.86	85.6	86.7	„	0.1					
10 „	.661	.624	85.5	82.2	3.3	81.1	.87	85.6	86.7	W b S	0·0					
11 „	.672	.629	85.0	82.2	2.8	81.3	.89	85.4	86.7	„	0.1					
June 8th-Midnight	.659	.615	84.0	82.0	2.0	81.3	.92	85.0	86.6	S b E	0.1		+	1		3.20
1 a. m.	.628	.790	80.0	76.0	4.0	74.4	.84	82.1	86.3	SE	0.7		−	Out of Sc.	120	Instantly.
2 „	.603	.768	80.3	76.0	4.3	74.3	.83	81.9	86.2	SSE	0.0		+	1		4.18
3 „	.599	.749	80.7	76.5	4.2	74.9	.83	82.0	86.1	„	0·0		+	1		Above 10m.
4 „	.605	.770	80.3	76.0	4.3	74.3	.83	81.5	85.9	„	0.0					
5 „	.622	.786	80.2	76.0	4.2	74.3	.83	81.2	85.7	„	0.0					
6 „	.644	.806	80.7	76.2	4.5	74.4	.82	81.4	85.6	„	0.1					
7 „	.666	.788	81.4	77.4	4.0	75.9	.84	82.0	85.6	„	0.1		+	2		1.54
8 „	.669	.773	83.0	78.3	4.7	76.5	.82	82.9	85.7	„	0.1		+	3		2.13
9 „	.665	.729	85.7	80.0	5.7	77.9	.78	84.8	85.7	„	0.1		+	2		2.47
10 „	.657	.663	88.5	82.0	6.5	79.8	.76	86.7	86.0	„	0.2		+	3		0.15
11 „	.649	.624	89.8	83.0	6.8	80.7	.76	87.5	86.1	S b E	0.2			2		0.29
Noon.	.628	.592	91.4	83.6	7.8	81.1	.73	88.0	86.3	S	0.2	None.				
1 p. m.	.599	.551	92.0	84.0	8.0	81.4	.72	88.3	86.4	SSW	0.3					
2 „	.577	.538	92.8	84.0	8.8	81.2	.70	88.9	86.6	SW	0.3					
3 „	.537	.510	92.2	83.6	8.6	80.8	.70	88.9	86.7	W b S	0.2					
4 „	.513	.442	91.8	82.3	9.5	79.0	.67	88.8	86.8	W	0.3					
5 „	.515	.492	90.0	83.0	7.0	80.7	.75	88.2	86.8	„	0.2					
6 „	.525	.567	87.8	81.0	6.8	78.6	.76	87.0	86.7	W b N	0.1					
7 „	.548	.547	87.1	81.8	5.3	80.0	.80	86.6	86.6	W	0.1					
8 „	.564	.587	86.5	81.1	5.4	79.2	.80	86.1	86.6	„	0.1					
9 „	.605	.604	86.3	81.6	4.7	80.0	.82	86.2	86.6	WSW	0.1					
10 „	.605	.617	86.0	81.2	4.8	79.6	.82	85.8	86.6	„	0.0					
11 „	.591	.560	85.2	82.0	3.2	80.9	.87	85.4	86.5	„	0.0					
June 9th-Midnight	.565	.645	82.8	78.8	4.0	77.3	.84	84.0	86.3	S b E	0.2		+	1		3.23
1 a. m.	.556	.625	82.5	79.0	3.5	77.7	.86	83.5	86.3	S	0.3					
2 „	.556	.627	82.7	79.0	3.7	77.6	.85	83.5	86.2	SSW	0.3					
3 „	.556	.608	83.3	79.6	3.7	78.3	.85	83.6	86.2	„	0.3					
4 „	.568	.637	82.5	79.0	3.5	77.7	.86	83.2	86.0	S	0.7					
5 „	.574	.721	79.7	76.3	3.4	75.0	.86	81.1	85.6	ESE	0.6		+	1		0.20
6 „	.596	.743	79.7	76.3	3.4	75.0	.86	81.0	85.5	„	0.3					
7 „	.596	.728	79.8	76.7	3.1	75.5	.87	81.0	85.5	„	0.4					
8 „	.616	.750	80.6	76.9	3.7	75.4	.85	81.2	85.3	S	0.3					
9 „	.613	.752	82.9	77.4	5.5	75.2	.79	82.6	85.5	„	0.3					
10 „	.607	.775	86.4	77.7	8.7	74.2	.68	84.9	85.7	S b E	0.2					
11 „	.597	.687	88.3	80.0	8.3	77.0	.70	85.7	85.8	S b W	0.1					

A few drops of rain.

None.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are : ∿ cirri ; ≀∿ cirro-cumuli ; ∩ cumuli ; ∿ cirro-strati ; ∩∿ cumulo-strati ; and ≀∿ nimbi.	
8	N	Overcast with ≀∿, whose motion was not apparent.	Mean daily temperature of ground 20 and 60 inches below its surface 85°8 and 85°2.
8	B	Clouded as before.	
8	B	" "	
7	B	Densely clouded with ∿, ≀∿, and ≀∿, the latter moving SE.	
6	B	≀∿ around hor.; ∿ and ≀∿ scattered throughout.	
8	C	Overcast with ≀∿ and ≀∿, the former moving SE.	
8	C	" " "	
8	N	" " "	
6	C	≀∿ and ≀∿ scattered about, the former moving SE.	
6	C	≀∿ around hor.; ≀∿ scattered about.	
8	N	Overcast with ∿, ≀∿, and ≀∿.	
8	N	" "	
8	N	" "	
7	B	∩∿ along E hor., otherwise clouded with ∿ and ≀∿.	
7	B	∩∿ along E hor.; ≀∿ and ∿ scattered throughout.	
6	B	"	
6	B	∩∿ along E hor.; ≀∿ along W hor.; ∿ scattered throughout.	
6	C	" " "	
5	C	∩∿ and ≀∿ around hor.; ∿ scattered throughout; lightning in E hor., after 6h. 48m. at intervals of 5m.	
5	C	Clouded as before; continuous lightning in E hor.	
4	C	∩∿ along E hor.; ≀∿ and ∿ scattered throughout; continuous lightning in E hor.	
8	N	Overcast with ≀∿ and light ≀∿, continuous lightning E hor.	
8	N	" " " "	
8	N	Overcast; continuous lightning along E hor.; distant thunder in E heard occasionally after 11h. 45m.	
8	N	Overcast with ≀∿, whose motion was not apparent; continuous lightning in E, accompanied occasionally with thunder.	Mean daily temperature of ground 20 and 60 inches below its surface 86°0 and 85°2.
8	B	Overcast; continuous lightning in S.	
8	B	Overcast; lightning in SW, at intervals of 1m. 12s.	
8	B	Overcast; no lightning visible.	
8	B	"	
8	C	Overcast with ≀∿, moving SW.	
8	C	" "	
8	N	Overcast with ≀∿, moving SSW.	
8	C	" "	
8	C	≀∿ around hor.; ∿ and ≀∿ scattered throughout.	
8	N	" "	
8	N	∿, ≀∿, and ≀∿ scattered throughout, the latter moving NE.	
8	N	" "	
8	B	∩∿ around hor.; ∿ and ≀∿ scattered throughout.	
6	B	" "	
4	B	∩∿ and ≀∿ around hor.; ∿ and ≀∿ scattered about.	
5	B	∩∿ along E hor.; ∿ and ≀∿ scattered about, the latter moving E.	
8	C	∩∿ along E hor.; ≀∿ above W hor.; ∿ and ≀∿ scattered throughout.	
8	C	∩∿ and ≀∿ around hor.; ∿ and ≀∿ scattered throughout; lightning in E at intervals of 10s. after 6h. 58m.	
8	C	∩∿ and ≀∿ around hor.; ∿ and ≀∿ scattered about; lightning in E at intervals of 5s.	
8	C	Overcast; lightning in NE at intervals of 5s.	
8	N	Overcast with ≀∿, moving NE; lightning along E hor., at intervals of 5s.; thunder in E after 9h. 45m.	
8	N	Overcast; lightning and thunder in E.	
8	N	Overcast; lightning along E hor.; occasional thunder in E.	
8	N	Overcast with ≀∿, moving NE; lightning in SE, S, and SW hor.; occasional thunder in SSW.	Mean daily temperature of ground 20 and 60 inches below its surface 86°1 and 85°3.
8	B	Overcast; lightning in SSW and SW, at intervals of 8s.	
8	B	Overcast; lightning in SW hor., every minute.	
8	B	Overcast with ≀∿, moving ENE.	
8	B	Overcast with ≀∿, moving NE.	
8	C	Overcast; a few drops of rain fell between 5h. 4m. and 5h. 24m.	
8	C	Overcast with ≀∿, moving NNE; thunder in NE between 6h. 3m. and 6h. 14m.; a few drops of rain.	
8	R	Overcast with ≀∿, moving E.	
8	C	" "	
8	R	Overcast with ≀∿, moving E; thunder heard occasionally in N.	
8	R	Overcast with ≀∿, moving E.	
5	R	≀∿ around hor.; ∿ scattered about; ≀∿ above N hor.	

Bombay Civil Time. 1860.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
June 9th–Noon.	29.579	28.638	89°4	81°0	8°4	78°0	0.70	86°4	86°0	SSW	0.2					
1 p.m.	.571	.647	91.0	81.0	10.0	77.5	.66	87.0	86.1	SW b W	0.3					
2 „	.554	.593	91.5	82.0	9.5	78.7	.67	87.8	86.2	WSW	0·2	A few drops of rain.				
3 „	.536	.589	91.2	81.6	9.6	78.2	.67	88.0	86.3	W b S	0.2					
4 „	.513	.546	91.0	82.0	9.0	78.9	.69	88.1	86.4	WSW	0.3					
5 „	.511	.530	89.7	82.0	7.7	79.3	.73	88.0	86.5	„	0.1					
6 „	.527	.563	87.3	81.0	6.3	78.8	.77	86.9	86.5	SW b W	0.1					
7 „	.542	.601	86.2	80.2	6.0	78.0	.77	86.2	86.4	WSW	0.3					
8 „	.573	.613	85.7	80.5	5.2	78.7	.80	85.7	86.3	SW	0.2					
9 „	.583	.637	85.2	80.0	5.2	78.2	.80	85.2	86.2	„	0.2					
10 „	.596	.672	85.1	79.5	5.6	77.5	.79	85.0	86.2	„	0.1					
11 „	.606	.701	84.9	79.0	5.9	76.8	.78	84.9	86.1	„	0.1					
June 11th–Midnight	.545	.722	74.4	74.0	0.4	73.8	.98	76.4	84.0	W	0.5	0.23				
1 a. m.	.544	.687	76.5	75.5	1.0	75.1	.96	77.1	84.0	NW b W	0.3	0.13				
2 „	.546	.671	77.7	76.1	1.6	75.8	.93	78.1	84.0	NW	0.6	0.07				
3 „	.542	.677	77·5	76.0	1.5	75.4	.94	78.0	83.8	„	0.1	0.05				
4 „	.535	.664	77.0	76.0	1.0	75.6	.96	77.6	83.7	„	0.1	0.03				
5 „	.517	.622	77.6	76.8	0.8	76.5	.96	78.3	83.6	WNW	0.0	0.02				
6 „	.520	.621	78.0	77.0	1.0	76.6	.96	78.7	83.6	„	0.0	0.01				
7 „	.547	.614	78.5	78.0	0.5	77.8	.98	79.0	83.6	„	0.0					
8 „	.563	.640	79.0	78.0	1.0	77.6	.96	79.4	83.5	W	0.0					
9 „	.590	.621	81.0	79.5	1.5	79.0	.94	80.7	83.6	WSW	0.0					
10 „	.589	.614	82.4	80.0	2.4	79.2	.90	81.7	83.8	SW	0.0					
11 „	.564	.610	82.4	79.5	2.9	78.5	.88	82.0	84.0	S	0.0					
Noon.	.545	.581	84.9	80.4	4.5	78.8	.83	83.1	84.2	SE	0.0					
1 p. m.	.526	.573	85.2	80.2	5.0	78.4	.81	83.5	84.4	ESE	0.1					
2 „	.494	.570	87.0	80.0	7.0	77.5	.74	84.1	84.5	WSW	0.1					
3 „	.480	.513	87.8	81.2	6.6	78.9	.76	84.8	84.6	W	0·1					
4 „	.466	.512	86.6	80.6	6.0	78.5	.78	84.5	84.6	WSW	0.1					
5 „	.455	.512	85.3	80.0	5.3	78.1	.80	84.0	84.5	W b N	0.0					
6 „	.468	.462	84.7	81.3	2.4	80.1	.87	83.8	84.5	SSW	0.0					
7 „	.501	.464	84.6	82.0	2.6	81.1	.90	83.7	84.5	SW	0.0					
8 „	.511	.518	84.6	81.0	3.6	79.7	.86	83.7	84.5	W	0.0					
9 „	.511	.492	84.3	81.5	2.8	80.6	.89	83.7	84.5	WNW	0.0		—	Out of Sc.	30	Instantly.
10 „	.517	.475	84.2	82.0	2.2	81.3	.91	83.5	84.5	„	0.1		—	Out of Sc.	Out of Sc.	Instantly.
11 „	.509	.594	80.2	78.0	2.2	77.2	.91	81.0	84.5	N b W	0.1	0.69				
June 12th–Midnight	.501	.540	80.2	79.1	1.1	78.7	.95	81.1	84.4	N	0.0	0.01				
1 a. m.	.486	.553	78.5	78.0	0.5	77.8	.98	80.1	84.4	E b S	0.1	0.26				
2 „	.477	.551	79.2	78.0	1.2	77.5	.95	80.2	84.2	SW	0.3	0.08				
3 „	.471	.550	79.6	78.0	1.6	77.4	.93	80.2	84.1	SSE	0.2					
4 „	.489	.568	79.6	78.0	1.6	77.4	.93	80.1	84.0	„	0·0					
5 „	.476	.552	79.4	78.0	1.4	77.5	.94	80.1	84.0	„	0.0					
6 „	.493	.559	79.6	78.3	1.3	77.8	.95	80.4	83.9	„	0·0					
7 „	.517	.573	80.6	78.8	1.8	78.1	.93	81.0	84.0	„	0.0					
8 „	.515	.543	82.6	80.0	2.6	79.1	.90	83.0	84.0	SE b S	0.1					
9 „	.513	.535	83.7	80.3	3.4	79.3	.87	83.9	84.2	SSE	0.1					
10 „	.518	.529	85.0	81.0	4.0	79.6	.84	83.6	84.4	S b E	0.1					
11 „	.520	.505	86.6	81.8	4.8	80.4	.82	84.1	84.5	WSW	0·1					
Noon.	.508	.539	86·8	81.0	5.8	79.0	.78	84.9	84.6	„	0.1					
1 p. m.	.494	.455	88.5	83.0	5.5	81.4	.80	85.6	84.7	WSW	0.1					
2 „	.468	.476	87.2	81.5	5.7	79.7	.79	85.1	84.8	W	0.3		—	Out of Sc.	Out of Sc.	Instantly.
3 „	.465	.504	83.6	80.0	3.6	78.7	.86	83.4	84.7	WbN	0.2		+	Out of Sc.	30	0.15
4 „	.459	.465	83.8	80.8	3.0	79.8	.88	84.5	84.7	W	0.2					
5 „	.459	.451	83.3	81.0	2.3	80.2	.91	83.6	84.6	W b N	0.0	0.14	+	2		0.02
6 „	.452	.517	78.7	78.1	0.6	77.8	.97	80.0	84.2	NNW	0.2	0.26	−	18	18	0.01
7 „	.498	.538	79.2	78.8	0.4	78.7	.98	80.3	84.2	N	0·0	0.06				
8 „	.516	.553	79·6	79.0	0.6	78.8	.97	80.7	84.2	N	0.0	0.04				
9 „	.549	.585	79.5	79.0	0.5	78.8	.98	80.1	84.1	W	0.0	0.36				
10 „	.533	.600	78.5	78.0	0.5	77.8	.98	79.8	84.0	„	0.5	0.16	+	1		Above 10m.
11 „	.521	.501	80.6	80.6	0.0	80.6	1.00	80.5	83.9	W b S	0.8	0.12				

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Notes.—In recording these Observations, the Symbols used to denote the clouds are: cirri; cirro-cumuli; cumuli; cirro-strati; cumulo-strati; and nimbi.	
6	R	and about N of zth.; scattered throughout, moving ESE.	
7	B	along E hor.; and scattered throughout.	
6	B	" " "	
8	B	along E hor.; and scattered throughout.	
8	B	" " "	
6	R	along E hor.; scattered about, moving E.	
5	R	scattered about, moving E.	
7	R	scattered throughout, moving NE.	
5	R	scattered about, moving NE; lightning in NE, at intervals of 20s.	
5	R	scattered about, moving NE; continuous lightning in E and N of zth.	
8	R	Overcast; continuous lightning in N, E, and S.	
8	R	" " "	
8	R	Overcast with , moving E; lightning along E hor., at intervals of 10s.; raining.	Mean daily temperature of ground 20 and 60 inches below its surface 85°5 and 85°1. Daily fall of rain by Osler's Gauge 1·28in.; maximum tension of Electricity by Henly's Apparatus 26; maximum length of the spark by Ronald's measure 0·25in. At midnight the Temperature of Air, and that of Evaporation, was lowest in the month; the former was about 7°5, and the latter about 5°2 lower than the Normal Mean.
8	B	Overcast; lightning in N at intervals of 1m. 40s.; raining.	
8	B	Overcast, in two strata, the lower one moving S; raining.	
8	B	Overcast; drizzling rain.	
8	B	Overcast; rain ceased at 4h. 40m.	
8	C	Overcast; light rain between 5h. 37m. and 5h. 49*m.*	
8	C	Overcast; drizzling rain at 6h. 25m., which lasted 3m.	
8	R	Overcast with , moving SSW; breaks in E.	
8	C	Overcast with , moving SSW.	
8	R	" "	
8	R	Overcast with , moving SSE.	
8	R	Overcast; a solar-halo visible.	
8	R	scattered throughout, moving SE.	
7	B	Overcast with , , and the latter moving SE.	
8	B	around hor.; and scattered throughout.	
7	B	along E hor. and in the remainder hor.; and scattered throughout.	
7	B	" " "	
7	C	along E hor.; and scattered throughout, the latter moving E.	
8	C	" " " "	
8	C	Densely clouded with , moving ESE; lightning in NE for every half minute; thunder in NE, after 7h. 40m.	
8	C	Densely clouded with , moving E; continuous lightning along E hor.; thunder occasionally heard.	
8	R	scattered throughout, moving E; lightning along E hor.; thunder in ENE every 4m.; rain commenced at 9h. 55m.	
6	R	Overcast; continuous lightning about zth. in N and E; thunder in ENE every 20s.; raining.	
8	R	Overcast; continuous lightning; thunder in E, N, and S of zth.; raining lightly.	
8	C	[recommenced at 0h. 58m. Overcast with , moving E; continuous lightning in S; thunder in SW every minute; rain ceased at 0h. 52m., but	Mean daily temperature of ground 20 and 60 inches below its surface 85°6 and 85°1. Daily fall of rain by Osler's Gauge 1·36in.; maximum tension of Electricity by Henly's Apparatus 10; maximum length of the spark by Ronald's measure 0·12in.; the lowest reading of Barometer during this month was at 6 P. M. (29·462in.) which was about 0·279in. lower than the Normal Mean.
8	B	Overcast; lightning in SE, S, SW, and W hor.; thunder occasionally heard in SW; rain ceased at 1h. 19m.	
8	B	Overcast; lightning in SW, accompanied occasionally with thunder.	
8	B	Overcast with , moving W; lightning in WSW and WNW hor.; at intervals of 5s.	
8	B	Overcast; lightning in NW at intervals of 6s.	
8	C	Overcast with , moving N.	
8	C	Overcast with , moving E.	
7	R	scattered throughout, moving E.	
5	C	around hor.; and scattered throughout.	
6	R	, , and scattered throughout, the latter moving N.	
5	R	around hor.; scattered throughout.	
5	R	around hor.; and scattered throughout, the latter moving W.	
7	R	scattered throughout, moving N.	
4	B	around hor.; , , and scattered throughout.	
7	B	around hor.; and scattered throughout, the latter moving E.	
8	B	Densely clouded; a few drops of rain at 3h. 5m.	
8	B	Overcast with , moving E; raining lightly.	
8	C	Overcast; thunder about zth., at intervals of 36s.; raining lightly.	
8	C	Overcast; *lightning* and thunder about zth.; raining lightly.	
8	C	" " "	
8	C	Overcast; continuous lightning in S.	
8	R	Overcast; continuous lightning in S; thunder occasionally heard; raining lightly.	
8	R	" " " "	
8	R	Overcast; lightning in SE in every 20s; rain ceased at 11h. 39m.	

Bombay Civil Time. 1860.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
June 13th-Midnight	29.514	28.485	81°4	81°0	0°4	80°9	0.98	81°1	84°0	W	0.6					
1 a. m.	.503	.509	81.4	80.2	1.2	79.8	.95	81.5	84.0	„	0·3					
2 „	.495	.499	81.2	80.2	1.0	79.8	.96	81.5	84.0	WSW	0·0	0.42				
3 „	.492	.509	79.8	79.5	0.3	79.8	.99	80.5	84.0	SW	0.2	1.13				
4 „	.505	.549	78.8	78.6	0.2	78.5	.99	79.8	83.9	„	0.2	1.07				
5 „	.493	.514	77.0	76.2	0.8	75.9	.96	79.0	83.9	„	0.1	0.89				
6 „	.514	.575	78·0	78.0	0.0	78.0	1.00	79.1	83.8	W	0.2	0.14				
7 „	.519	.584	78.4	78.0	0.4	77.8	0.98	79.4	83.6	WSW	0.1	0.29				
8 „	.550	.592	79.0	78.7	0.3	78.6	.99	79.8	83.5	„	0·1	0.14				
9 „	.580	.622	79.0	78.7	0.3	78.6	.99	79.9	83.6	SW	0.0	0.12				
10 „	.581	.617	78.8	78.8	0.0	78.8	1.00	79.8	83.5	„	0.0	0.11	—	Out of Sc.	Out of Sc.	Instantly.
11 „	.575	.632	78.4	78.2	0.2	78.1	0.99	79.5	83.5	SSW	0.1	0.16	—	Out of Sc.	Out of Sc.	Instantly.
Noon.	.565	.601	78.8	78.8	0.0	78.8	1.00	79.9	83.4	S b W	0·1	0.16	—	Out of Sc.	Out of Sc.	Instantly.
1 p. m.	.551	.604	78.8	78.4	0.4	78.2	0.98	79.7	83.4	S b E	0.7	0.70				
2 „	.529	.565	78.8	78.8	0.0	78.8	1.00	79·5	83.2	SSE	1·0	0.14				
3 „	.521	.557	78.8	78.8	0.0	78.8	1.00	79.5	83.3	WSW	0·8	0.08				
4 „	.521	.575	78.5	78.3	0.2	78.2	.99	79.3	83.3	SSW	0·5	0.62				
5 „	.521	.585	78.6	78.1	0.5	77.9	.98	79.4	83.3	„	0·4	0.13				
6 „	.545	.609	78.3	78.0	0.3	77.9	.99	79.1	83.2	W	0·4	0.17				
7 „	.558	.635	78.0	77.6	0.4	77.4	.98	79.0	83.1	W b S	0.2	0.01				
8 „	.564	.635	78.2	77.8	0.4	77.6	.98	79.2	83.1	S	0.0	0.01				
9 „	.565	.610	79.2	78.7	0.5	80.2	.98	79.5	83.0	„	0.0					
10 „	.568	.591	79.5	79.3	0.2	80.0	.99	79.7	83.0	„	0.5					
11 „	.566	.629	79.3	78.3	1.0	80.5	.96	80.0	83.0	„	0.2	0.12				
June 14th-Midnight	.558	.601	80.2	79.0	1·2	78.6	.95	80.4	83.2	S	0.1					
1 a. m.	.540	.643	79.3	77.3	2.0	76.5	.92	80.0	83.2	„	0.6					
2 „	.519	.587	78.8	78.0	0.8	77.7	.97	79.4	83.1	„	0.2	0·03				
3 „	.523	.589	79.5	78.5	1.0	78.1	.96	80.0	83.2	„	0.2	0.03				
4 „	.523	.614	78.6	77.4	1.2	76.9	.95	79.5	83.1	SSW	0.4	0·06				
5 „	.529	.581	79.1	78.5	0.6	78.3	.97	79.9	83.2	„	0.7	0·03				
6 „	.537	.538	80.2	80.0	0.2	79.9	.99	80.1	83.4	„	0.4	0·04				
7 „	.552	.656	78.3	77.0	1.3	76.5	.94	79.4	83.2	W	0.1	0.01				
8 „	.563	.643	78.2	77.6	0.6	77.3	.97	79.0	83.2	„	0.0					
9 „	.592	.697	77.0	76.6	0.4	76.5	.98	78.4	83.0	WNW	0.3		—	Out of Sc.	40	Instantly.
10 „	.585	.687	77.3	76.8	0.5	76.6	.98	78.0	82.7	„	½ to 2½					
11 „	.587	.662	77.8	77.6	0.2	77.5	.99	78.4	82.7	WSW	0·2					
Noon.	.591	.669	78.6	78.0	0.6	77.7	.97	79.0	82.7	„	0.1	0.01				
1 p. m.	.590	.653	80.1	78.5	1.6	77.9	.93	80.2	82.7	„	0.1					
2 „	.568	.635	80.5	78.5	2.0	77.8	.92	80.3	82.8	SSW	0.2					
3 „	.557	.619	80.8	78.7	2.1	77.9	.91	80.7	83.0	NNW	0.1					
4 „	.552	.595	81.3	79.3	2.0	78.6	.90	81.0	83.0	W	0.1					
5 „	.560	.616	81.4	79.0	2.4	78.1	.90	81.0	83.0	SW b S	0.4					
6 „	.569	.606	81.6	79.5	2.1	78.8	.91	81.2	83.1	„	0·4					
7 „	.576	.679	78.2	77.0	1.2	76.5	.95	79.6	83.1	SW	1 to 16½	0.07				
8 „	.592	.564	79.0	78.0	1.0	77.6	.96	79.7	83.2	WSW	½ to 3½	0.16				
9 „	.610	.604	82.2	80.7	1.5	80.2	.94	81.3	83.0	„	½ to 1	0.02				
10 „	.626	.624	82.6	80.7	1.9	80.0	.92	81.9	83.0	„	½ to 1					
11 „	.626	.608	82.4	81.0	1.4	80.5	.94	82.0	83.1	„	0·2					
June 15th-Midnight	.604	.582	82.0	81.0	1.0	80.6	.96	82.0	83.2	WSW	0.4					
1 a. m.	.594	.578	81.8	80.8	1.0	80.5	.96	81.9	83.2	„	½ to 1½					
2 „	.589	.574	82.6	81.0	1.6	80.4	.93	82.0	83.3	„	0.2	0.01				
3 „	.595	.580	82.6	81.0	1.6	80.4	.93	82.0	83.4	„	0.5					
4 „	.595	.595	82.4	80.6	1.8	80.0	.93	82.0	83.4	„	0.5					
5 „	.610	.595	82.6	81.0	1.6	80.4	.93	82.1	83.5	„	0.3		None.	None.	None.	None.
6 „	.623	.648	80.5	79.5	1.0	79.2	.96	81.1	83.5	SW	½ to 1½	0.07				
7 „	.632	.603	82.6	81.3	1.3	80.9	.95	82.0	83.5	WSW	0.0					
8 „	.656	.612	84.0	82.0	2.0	81.3	.92	83.1	83.6	„	0·1					
9 „	.664	.597	86.0	83.0	3.0	82.0	.88	84.7	83.8	SW b W	0·2					
10 „	.664	.604	86.6	83.0	3·6	81.8	.86	85.0	84.0	„	0.4					
11 „	.654	.566	87.5	83.8	3.7	82.6	.86	85.7	84.2	SW	0.3					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Norm.—In recording these Observations, the Symbols used to denote the clouds are: Ci cirri; Ci cirro-cumuli; Cu cumuli; Ci cirro-strati; Cu cumulo-strati; and Ni nimbi.	
8	C	Overcast with Ci, moving E; continuous lightning in S; thunder in NE; rain between 0h. 32m. and 0h. 35m.	Mean daily temperature of ground 20 and 60 inches below its surface 85°3 and 84°9. Daily fall of rain by Osler's Gauge 6·60in.; maximum tension of Electricity by Henly's apparatus 10; maximum length of the spark by Ronald's measure 0.12.
8	B	Overcast with Ci, moving ESE; lightning in E and SW, at intervals of 1m. 42s; raining.	
8	B	Overcast; lightning and thunder in W at intervals of 35s; raining.	
8	B	Overcast; lightning in W, accompanied occasionally with thunder; raining.	
8	B	Overcast; lightning and thunder in W, at intervals of 12s; raining.	
8	C	Overcast with Ci, moving SE; lightning and thunder about zth., at intervals of 15s; raining lightly.	
8	C	Overcast; lightning and thunder in S, at intervals of 10m.; raining.	
8	R	Overcast; lightning and thunder in S, at intervals of 4m.; raining.	
8	R	Overcast; lightning and thunder in S and E, at intervals of 6m.; raining.	
8	R	Overcast with Ci, moving ESE; thunder in NE occasionally heard; raining.	
8	R	Overcast; raining.	
8	R	"	
8	R	Overcast with Ci, moving ENE; raining.	
8	B	Overcast; lightning in SE at 1h. 7m.; rain ceased at 1h. 30m., but recommenced at 1h. 50m., which lasted 3m.	
8	B	Overcast with Ci, moving N; drizzling rain.	
8	B	Overcast with Ci, moving NE; drizzling rain.	
8	B	" " "	
8	C	" " "	
8	C	Overcast; rain ceased at 6h. 17m.	
8	C	Overcast; drops of rain now and then between 7h. 14m. and 7h. 46m.	
7	C	Ci scattered throughout, moving ENE.	
5	R	Ci scattered about, moving E; rain at 9h. 45m., which lasted 5m.	
6	R	Overcast with Ci, moving NE.	
4	R	" "	
5	C	Ci scattered about, moving NE.	Mean daily temperature of ground 20 and 60 inches below its surface 85°0 and 84°9. Daily fall of rain by Osler's Gauge 2·47in.
7	B	Ci scattered throughout; light rain from 1h. 0m. to 1h. 25m.	
6	B	Ci scattered throughout; rain commenced at 2h. 55m.	
8	B	Overcast with Ci, moving NE; rain ceased at 3h. 8m., but recommenced at 3h. 38m.	
8	B	Overcast; rain ceased at 4h. 12m.	
8	C	Overcast; light rain from 5h. 4m. to 5h. 14m.	
8	C	Overcast; light rain from 6h. 45m. to 6h 50m.	
8	R	Overcast with Ci, moving ENE; light rain commenced at 7h. 40m.	
8	C	Overcast with Ci, moving ENE; raining.	
8	R	Overcast with Ci, moving E; raining.	
8	R	Overcast with Ci, moving ESE; raining.	
8	R	Overcast with Ci, moving ENE; rain ceased at 11h. 41m.	
8	C	Overcast; no rain.	
8	B	Overcast; passing showers of rain at 1h. 25m. and at 1h. 40m.	
8	B	Overcast with Ci, moving ENE.	
8	B	Overcast with Ci, moving ESE.	
8	B	Overcast with Ci, moving ENE.	
8	C	Overcast with Ci, moving NE.	
8	C	Overcast; light rain from 6h. 35m. to 6h. 34m.	
8	C	Overcast; light rain from 7h. 36m. to 7h. 41m.	
8	C	Overcast; drizzling rain at 8h. 56m., which lasted 1m.	
7	R	Densely clouded with Ci, moving NNE; lightning in E hor., at intervals of 2m.	
8	R	Overcast with Ci, moving NE.	
8	R	" "	
8	C	Overcast with Ci, moving NE.	Mean daily temperature of ground 20 and 60 inches below its surface 85°1 and 85°0. Daily fall of rain by Osler's Gauge 0·12in.
8	C	Overcast; passing shower of rain at 1h. 5m.	
8	B	Overcast; no rain.	
8	B	Overcast; a few stars dimly visible about zth.	
8	B	Overcast; no rain.	
8	B	Overcast; light rain from 5h. 36m. to 5h. 47m.	
8	C	Overcast; no rain.	
8	R	" "	
8	C	" "	
8	R	" "	
8	R	" "	
8	R	Overcast with Ci, moving E.	

Bombay Civil Time. 1860.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straw of Volta 1.	Electrical Instruments. Readings of Straw of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
June 15th-Noon.	29.642	28.569	88°3	83°8	4°5	82°2	0.83	86°3	84°4	SW b W	0.4					
1 p. m.	.638	.600	87.8	82.8	5.0	81.1	.81	86.2	84.4	SW b S	0.2					
2 „	.617	.605	86.9	82.0	4.9	80.3	.82	85.6	84·5	SW	0.2					
3 „	.597	.591	85.5	81.5	4.0	80.1	.85	84.9	84.5	„	0.4					
4 „	.594	.572	86.0	82.0	4.0	80.6	.85	84.9	84.5	„	0.5					
5 „	.590	.581	85.2	81.5	3.7	80.2	.86	84.5	84.5	„	0·4	None.	None.	None.	None.	None.
6 „	.593	.595	84.2	81.0	3.2	79.9	.87	84.1	84.5	„	0.3					
7 „	.606	.603	83.7	81.0	2.7	80.1	.89	83.7	84.4	„	0.2					
8 „	.615	.694	83.0	81.0	2.0	80.3	.92	83.1	84.4	SSW	0·2					
9 „	.629	.622	83.4	81.0	2.4	80.2	.90	83.2	84.4	„	0.4					
10 „	.635	.622	82.8	81.0	1.8	80.4	.93	83.0	84.4	„	0.6					
11 „	.625	.631	83.0	80.6	2.4	79.8	.90	83.0	84.5	„	0.3					
June 16th-Midnight	.622	.674	81.0	79.0	2.0	78.3	.92	81.8	84.3	SSW	0.4	0.05	+	4		1.00
1 a. m.	.608	.619	81.8	80.2	1.6	79.6	.93	82.0	84.2	SW b S	0·3	0.17				
2 „	.596	.617	82.0	80.0	2.0	79.3	.92	82.1	84.2	„	0.2					
3 „	.590	.614	82.3	80.0	2.3	79.2	.91	82.1	84.3	SSW	0.5					
4 „	.586	.607	82.0	80.0	2.0	79.3	.92	82.0	84.2	S b W	0.5					
5 „	.588	.609	82.0	80.0	2.0	79.3	.92	82.0	84.2	SSW	0.3					
6 „	.604	.628	82.3	80.0	2.3	79.2	.91	82.1	84.2	„	0.5					
7 „	.615	.604	83.8	81.2	2.6	80.3	.89	83.1	84.2	„	0.3					
8 „	.634	.634	84.0	81.0	2.0	80.0	.88	83.4	84.3	„	0.3					
9 „	.642	.640	85.9	81.5	4.4	80.0	.83	84.5	84.4	„	0.5					
10 „	.647	.632	87.5	82.2	5.3	80.4	.80	85.5	84.5	„	0·4					
11 „	.647	.625	86.0	82.0	4.0	80.6	.85	84.9	84.6	„	0·2					
Noon.	.638	.611	88.4	82.7	5.7	80.8	.79	86.0	84.8	„	0.4				None.	
1 p. m.	.631	.604	88.8	82.8	6.0	80.8	.78	86.3	84.9	„	0.6					
2 „	.616	.573	88.2	83.0	5.2	81.3	.81	86.3	85.0	S b W	0·6					
3 „	.599	.596	87.7	82.0	5.7	80.1	.79	86.1	85.0	SSW	0.8					
4 „	.597	.594	87.7	82.0	5.7	80.1	.79	86.1	85.1	„	0.4					
5 „	.592	.616	86.4	81.0	5.4	79.2	.80	85.3	85.0	S b W	0.2					
6 „	.597	.606	84.8	81.0	3.8	79.7	.85	84.6	84.9	„	0.2					
7 „	.603	.620	84.0	80.6	3.4	79.4	.87	84.1	84.9	S	0.2					
8 „	.609	.630	83.6	80.4	3.2	79.3	.87	83.7	84.8	„	0.5					
9 „	.614	.640	83.2	80.2	3.0	79.1	.88	83.3	84.7	„	0.4					
10 „	.623	.636	83.2	80.5	2.7	79.5	.89	83.2	84.6	„	0.5					
11 „	.621	.653	83.0	80.0	3.0	78.9	.88	83.1	84.6	„	0.7					
June 18th-Midnight	.638	.667	82.7	80.0	2.7	79.0	.89	84.0	84.8	S b W	0.3					
1 a. m.	.629	.650	82.5	80.1	2.4	79.2	.90	83.8	84.8	„	0.4					
2 „	.617	.642	82.4	80.0	2.4	79.2	.90	83.7	84.8	SSW	0.2					
3 „	.609	.616	82.4	80.2	2.2	79.4	.91	83.6	84.8	„	0.3					
4 „	.612	.627	82.2	80.2	2.0	79.6	.92	83.6	84.8	„	0.4					
5 „	.626	.621	82.3	80.7	1.6	80.1	.93	83.4	84.8	„	0.2		+	4		0.56
6 „	.638	.622	82.5	81.0	1.5	80.4	.93	83.5	84.8	„	0.2		+	5		0.18
7 „	.653	.661	83.2	80.5	2.7	79.5	.89	83.5	84.9	„	0·2		+	1		3.38
8 „	.669	.636	84.8	82.0	2.8	81.0	.89	84.0	85.0	„	0.2		+	5		0.15
9 „	.674	.661	86.8	82.0	4.8	80.4	.82	85.2	85.0	S b W	0.1		+	4		3.00
10 „	.682	.634	87.7	83.0	4.7	81.4	.82	86.0	85.2	S	0.1	None.	+	1	None.	Above 10m.
11 „	.686	.652	89.0	83.0	6.0	81.0	.78	86.8	85.4	SSW	0.1		+	3		2·50
Noon.	.677	.639	90.4	83.4	7.0	81.1	.75	87.5	85.5	SW b S	0.1		+	4		1.25
1 p. m.	.656	.597	91.0	84.0	7.0	81.8	.75	87.7	85.6	„	0.2		+	1		Above 10m.
2 „	.642	.615	89.6	83.0	6.6	80.8	.76	87.5	85.7	SSW	0.2					
3 „	.626	.596	89.4	83.0	6.4	80.9	.77	87.0	85.8	SW b S	0·1					
4 „	.626	.594	89.2	83.0	6.2	81.1	.77	87.0	85.7	„	0.1					
5 „	.624	.603	88.1	82.5	5.6	80.6	.79	86.2	85.7	„	0.1					
6 „	.630	.611	86.3	82.0	4.3	80.6	.84	85.9	85.6	SSW	0.2					
7 „	.643	.617	84.8	81.8	3.0	80.8	.88	85.0	85.5	„	0.1					
8 „	.659	.659	84.0	81.0	3.0	80.0	.88	84.2	85.5	„	0·1					
9 „	.663	.659	83.6	81.0	2.6	80.1	.90	84.0	85.5	„	0.1					
10 „	.680	.649	83.6	81.6	2.0	80.9	.92	84.0	85.4	„	0.1					
11 „	.677	.652	82.6	81.2	1.4	80.7	.94	83.7	85.5	„	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩≀ cumuli; ∪≀ cirro-strati; ∩∪≀ cumulo-strati; and ∩≀ nimbi.	
8	C	Overcast with ∩≀, moving E.	
8	B	Overcast with ∩≀, moving ENE.	
8	B	Overcast; a few drops of rain fell at 2h. 18m.	
8	B	Overcast with ∩≀, moving ENE.	
8	B	" "	
8	C	" "	
8	C	" "	
8	C	" "	
6	C	∩≀ scattered about, moving ENE.	
7	C	" "	
4	R	" "	
2	R	∩≀ scattered in E hem., moving E.	
8	R	Overcast with ∩≀, moving NE; rain from full hour to 0h. 25m.	Mean daily temperature of ground 20 and 60 inches below its surface 85°2 and 85°1. Daily fall of rain by Osler's Gauge 0·25in.
7	B	∩≀ scattered throughout, moving NE.	
8	B	Overcast; a few stars dimly visible about 2th.	
5	B	∩≀ scattered about, moving NE.	
8	B	∩≀ scattered about hor., moving ENE.	
5	C	" "	
6	C	≀, ≀≀, and ∩≀ scattered throughout, the latter moving NE.	
6	R	" " "	
8	C	≀≀ and ∩≀ scattered throughout, the latter moving NE.	
8	R	" " "	
8	R	Overcast with ∩≀, moving ENE.	
6	R	∩≀ scattered about, moving NNE.	
8	R	∩≀ and ≀ scattered throughout, the former moving NE.	
7	B	∩≀ around hor.; ≀ along E hor.; ≀≀ scattered throughout, moving ENE.	
8	B	Overcast with ∩≀ and ≀≀, the former moving ENE.	
8	B	" " "	
7	B	∩≀ and ≀≀ scattered about, moving NE.	
7	C	" "	
7	C	" "	
6	C	" "	
3	C	∩≀ scattered around hor.	
2	C	" "	
2	C	" "	
6	C	∩≀ scattered about, moving NE.	
4	C	∩≀ scattered about, moving NE.	Mean daily temperature of ground 20 and 60 inches below its surface 85°4 and 85°2.
5	C	" "	
3	C	∩≀ scattered about hor.	
7	C	∩≀ scattered throughout, moving NE.	
4	C	∩≀ scattered about, moving NE.	
7	B	" "	
7	B	∩≀ and ≀≀ scattered about, moving NE.	
6	B	" "	
7	B	∩≀ around hor.; ≀≀ scattered about.	
7	R	∩≀ scattered throughout, moving ESE.	
7	R	" "	
7	R	A few pieces of ≀≀ in S; ∩≀ scattered about, moving ENE.	
6	R	A few ≀ in E hor.; ∩≀ scattered about, moving NE.	
4	R	" " "	
7	R	∩≀ scattered throughout, moving NE.	
6	R	" "	
6	C	" "	
3	C	∩≀ scattered about hor., moving NE.	
2	C	" "	
2	C	∩≀ around hor.; ≀ in E hem. about hor.	
2	C	∩≀ scattered about hor.	
2	C	" "	
2	C	" "	
1	R	Masses of ∩≀ scattered around hor.; a shower of rain at 11h. 35m., which lasted 3m.	

Bombay Civil Time. 1860.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
June 19th-Midnight	29.670	28.657	82°8	81°0	1°8	80°4	0.93	83°5	85°4	SW	0.2	0.01				
1 a. m.	.657	.659	82.6	80.6	2.0	79.9	.92	83.1	85.3	SW b S	0.1					
2 „	.643	.651	82.4	80.4	2.0	79.9	.92	83.0	85.3	„	0.1					
3 „	.635	.643	82.4	80.4	2.0	79.7	.92	83.0	85.2	„	0.1					
4 „	.642	.663	82.0	80.0	2.0	79.3	.92	82.7	85.1	SW	0.0					
5 „	.651	.672	82.0	80.0	2.0	79.3	.92	82.7	85.1	„	0.0					
6 „	.665	.686	82.0	80.0	2.0	79.3	.92	82.6	85.1	SW b W	0.0					
7 „	.686	.682	83.8	81.2	2.6	80.1	.90	83.5	85.2	„	0.0					
8 „	.701	.686	85.8	81.8	4.0	80.4	.85	84.8	85.3	W b S	0.0					
9 „	.716	.705	87.0	82.0	5.0	80.3	.81	85.3	85.3	SW b W	0.1					
10 „	.718	.671	88.0	82.6	5.6	80.7	.80	86.0	85.4	„	0.1					
11 „	.711	.654	89.5	83.6	5.9	81.7	.79	86.7	85.5	„	0.1		+	3		0.31
Noon.	.704	.621	90.5	84.4	6.1	82.5	.78	87.2	85.7	W b S	0.1		+	2	None.	0.48
1 p. m.	.697	.633	90.5	84.0	6.5	81.9	.75	87.3	85.7	„	0.1					
2 „	.677	.644	91.2	83.5	7.7	81.0	.73	87.8	85.9	„	0.2					
3 „	.657	.643	90.8	83.0	7.8	80.4	.73	87.9	86.0	WSW	0.1					
4 „	.637	.592	90.1	83.5	6.6	81.4	.76	87.5	86.1	„	0.2					
5 „	.626	.581	88.0	83.0	5.0	81.4	.81	86.7	86.1	„	0.1					
6 „	.637	.665	86.5	81.0	5.5	79.1	.79	86.0	86.0	W b S	0.1					
7 „	.655	.683	85.0	80.6	4.4	79.1	.83	85.0	85.8	WSW	0.1					
8 „	.675	.679	84.4	81.0	3.4	79.8	.87	84.5	85.7	W	0.1					
9 „	.684	.686	84.2	81.0	3.2	79.9	.87	84.1	85.7	W b N	0.1					
10 „	.703	.729	84.0	80.4	3.6	79.1	.86	84.0	85.7	W	0.1					
11 „	.709	.748	83.6	80.0	3.6	78.7	.86	83.7	85.6	„	0.2					
June 20th-Midnight	.687	.721	83.2	80.0	3.2	78.9	.87	83.5	85.5	WNW	0.0					
1 a. m.	.676	.704	82.6	80.0	2.6	79.1	.90	83.1	85.5	„	0.0					
2 „	.669	.692	82.2	80.0	2.2	79.2	.91	83.0	85.5	„	0.0					
3 „	.649	.670	82.0	80.0	2.0	79.3	.92	82.9	85.4	„	0.0					
4 „	.652	.673	82.0	80.0	2.0	79.3	.92	82.7	85.3	„	0.0					
5 „	.670	.710	81.9	79.5	2.4	78.7	.90	82.6	85.2	„	0.0					
6 „	.682	.745	82.0	79.0	3.0	77.9	.88	82.6	85.2	„	0.0					
7 „	.704	.753	83.4	79.7	3.7	78.4	.85	83.4	85.2	W b N	0.0					
8 „	.718	.818	84.6	78.8	5.8	76.6	.78	84.0	85.3	W	0.0					
9 „	.712	.774	84.6	79.7	4.9	77.9	.81	84.2	85.4	WSW	0.2					
10 „	.715	.745	86.7	81.0	5.7	79.0	.79	85.4	85.5	SW b W	0.1					
11 „	.710	.741	88.4	81.4	7.0	79.0	.74	86.3	85.6	WSW	0.1		+	3		Above 10m.
Noon.	.700	.752	86.0	80.3	5.7	78.3	.78	85.3	85.6	W	0.1		−	Out of Sc.	50	Instantly.
1 p. m.	.682	.729	84.7	80.1	4.6	78.4	.82	84.5	85.5	NW	0.1		+	1		Above 10m.
2 „	.667	.688	85.5	80.9	4.6	79.3	.82	84.9	85.6	NW b N	0.1		+	1		Above 10m.
3 „	.664	.704	84.5	80.2	4.3	78.7	.83	84.2	85.5	„	0.1					
4 „	.654	.695	83.8	80.0	3.8	78.6	.85	83.8	85.5	„	0.1					
5 „	.653	.682	83.5	80.2	3.3	79.0	.87	83.8	85.5	ENE	0.1					
6 „	.662	.746	79.3	77.8	1.5	77.2	.94	81.0	85.3	W b N	0.1	0.15	−	Out of Sc.	Out of Sc.	Instantly.
7 „	.698	.802	77.5	76.8	0.7	76.5	.97	80.0	84.8	S b E	0.0	0.20				
8 „	.717	.850	77.4	76.0	1.4	75.5	.94	79.8	84.6	„	0.2	0.37				
9 „	.730	.854	76.5	76.0	0.5	75.8	.98	79.0	84.5	SW	0.1	0.70				
10 „	.707	.834	76.8	76.0	0.8	75.7	.97	79.0	84.4	„	0.1	0.01				
11 „	.694	.791	77.6	77.0	0.6	76.7	.97	79.0	84.3	W	0.0					
June 21st-Midnight	.680	.781	78.0	77.0	1.0	76.6	.96	79.5	84.3	SW	0.1					
1 a. m.	.676	.774	78.2	77.2	1.0	76.7	.96	79.8	84.2	„	0.0					
2 „	.648	.746	78.2	77.2	1.0	76.7	.96	79.8	84.1	SW b W	0.0					
3 „	.642	.747	78.4	77.0	1.4	76.5	.94	80.0	84.0	„	0.0					
4 „	.643	.723	78.6	77.7	0.9	77.3	.96	80.0	84.0	S b E	0.2	None.	None.	None.	None.	None.
5 „	.658	.747	78.4	77.4	1.0	77.0	.96	79.7	84.0	SSE	0.1					
6 „	.660	.748	77.9	77.3	0.6	77.0	.97	79.5	83.9	E b S	0.1					
7 „	.674	.747	79.1	78.0	1.1	77.6	.95	80.2	83.9	„	0.1					
8 „	.689	.748	79.8	78.5	1.3	78.0	.95	80.5	83.8	„	0.0					
9 „	.691	.712	82.0	80.0	2.0	79.3	.92	81.9	84.0	„	0.0					
10 „	.684	.712	82.6	80.0	2.6	79.1	.90	83.4	84.0	„	0.0					
11 „	.672	.703	82.9	80.0	2.9	79.0	.88	82.9	84.0	„	0.0					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≈ cirri; ≈ cirro-cumuli; ≈ cumuli; ≈ cirro-strati; ≈ cumulo-strati; and ≈ nimbi.	
2	R	≈ scattered about hor., moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 85°4 and 85°0. Daily fall of rain by Osler's Gauge 0·03 in.; reading of Wet Bulb thermometer at Noon was 84·4, greatest during the month, and was about 3°1 greater than the Normal Mean.
3	B	≈ scattered about hor.	
3	B	" "	
3	B	" "	
3	B	≈ scattered around hor. and SW, moving ENE.	
5	C	≈ scattered about, moving NE.	
4	R	≈ scattered along hor. and in S; ≈ scattered in W.	
3	R		
6	R	" " " ≈ and ≈ scattered about, the former NE.	
5	C	" "	
2	C	≈ scattered around hor.; a few ≈ in SE above hor.	
2	C	≈ around hor., moving NE; a few ≈ scattered about.	
4	C	≈ scattered about, moving NE.	
4	B	≈ in E and ≈ in the remainder of hor.; a few ≈ above N hor.	
3	B		
4	B	" " " ≈ scattered around hor.; a few ≈ scattered about zth.	
5	B	≈ scattered about, moving E.	
5	C		
4	C	" " ≈ around hor.; ≈ scattered throughout.	
3	C	≈ and ≈ scattered about, the former moving NE.	
4	C		
4	R	" " "	
2	R	" " " ≈ scattered here and there, except about zth., moving E.	
3	R	≈ scattered about, moving NE.	
2	C	≈ scattered about hor., moving NE.	Mean daily temperature of ground 20 and 60 inches below its surface 85°4 and 85°2. Daily fall of rain by Osler's Guage 13·5in.; maximum tension of Electricity by Henly's Apparatus 10; maximum length of the spark by Ronald's measure 0·14.
3	B		
5	B	" " ≈ scattered about, moving NE.	
6	B		
7	B	" " ≈ scattered throughout, moving E.	
7	C		
7	C	" " ≈ around hor., moving ENE; ≈ and ≈ scattered throughout.	
7	R		
7	C	" " " " Densely clouded; light drops of rain fell between 8h. 18m. and 8h. 30m.	
8	R	Overcast with ≈ and ≈, both moving NE.	
8	R		
6	R	≈ in E " " " hor.; ≈ about zth.; ≈ scattered about, moving ENE.	
7	R	Densely clouded with ≈ and ≈, the former moving NE; light drops of rain.	
8	B	Overcast; rain ceased at 1h. 13m., but recommenced at 1h. 30m., which lasted 5m.; occasional thunder in NE and E.	
8	B	Overcast with ≈, moving SE.	
8	B	Overcast; break in N; drops of rain after 3h. 30m.	
8	B	Overcast; drops of rain now and then.	
8	C	Overcast; light rain commenced at 5h. 24m., which ceased at 5h. 46m.	
8	C	Overcast; rain commenced at 6h. 16m.; lightning and thunder at 6h. 27m.	
8	C	Overcast; raining.	
8	C	Overcast with ≈, moving E; raining.	
8	C		
8	R	" " Overcast with ≈, moving E; rain ceased at 10h. 50m.	
8	R	Overcast; no rain.	
5	R	≈ scattered about, moving E; lightning in SE.	Mean daily temperature of ground 20 and 60 inches below its surface 85°3 and 85°2. Daily fall of rain by Osler's Gauge 0·20.
8	B	Overcast with ≈, moving ENE.	
8	B	" "	
8	C	" "	
8	C	Overcast; a few stars dimly visible in N; light rain commenced at 4h. 45m.	
8	R	Overcast; rain ceased at 5h. 5m.	
8	R	≈ scattered throughout, moving SW.	
8	B	Overcast with ≈ and ≈, both moving W.	
8	B	Overcast with ≈ and ≈, both moving W; a few drops of rain between 8h. 5m. and 8h. 16m.	
8	C	Overcast with ≈ and ≈, the former moving NE.	
8	C		
8	R	" " " Overcast with ≈ and ≈, the former moving ENE.	

Bombay Civil Time. 1860.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
June 21st-Noon.	29.668	28.706	83°2	79°9	3°3	78°7	0.87	83°0	84·1	E b S	0.0					
1 p. m.	.664	.707	84.0	80.0	4.0	78.6	.84	83.2	84.2	„	0.1					
2 „	.622	.665	84.0	80.0	4.0	78.8	.84	83.2	84.3	„	0.1					
3 „	.622	.674	83.3	79.6	3.7	78.3	.85	83.0	84.3	WNW	0.2					
4 „	.595	.627	83.0	80.0	3.0	78.9	.88	82.9	84.3	„	0.4		None.	None.	None.	None.
5 „	.599	.629	82.8	80.0	2.8	79.0	.89	82.8	84.4	„	0.1					
6 „	.609	.676	82.4	79.0	3.4	77.8	.86	82.5	84.4	„	0.1					
7 „	.623	.688	82.2	79.0	3.2	77.8	.87	82.2	84.3	„	0.1					
8 „	.639	.704	82.2	79.0	3.2	77.8	.87	82.2	84.3	„	0·2					
9 „	.653	.692	82.1	79.6	2.5	78.7	.90	82.1	84.3	„	0·0					
10 „	.645	.641	82.4	80.7	1.7	80.1	.93	82.4	84.2	W b S	0.0					
11 „	.641	.639	81.5	80.4	1.1	80.0	.95	82.0	84.0	SW b W	0.0	0.21				
June 22nd-Midnight	.609	.623	81.4	80.0	1.4	79.5	.94	82.0	84.2	SW b W	0.0					
1 a. m.	.614	.679	78.4	78·0	0.4	77.8	.98	79.3	83.8	NNW	0.0	0·67	−	Out of Sc.	100	Instantly.
2 „	.609	.694	78.4	77.5	0.9	77.2	.96	79.5	83.8	„	0.0	0.07				
3 „	.601	.716	78·5	76.8	1.7	76.1	.93	79.5	83.7	WNW	0.1					
4 „	.602	·677	79.3	78.0	1.3	77.5	.95	80.2	83.8	NW	0.0					
5 „	.617	.689	79.0	78.0	1.0	77.6	.96	80.2	83·8	„	0.0					
6 „	.647	.804	76.0	75.0	1.0	74.6	.96	77.2	83.5	WNW	0.0	0.50	+	9	9	0.02
7 „	.644	·783	76.1	75·5	0.6	75·2	.97	78.0	83.4	WSW	0.0	0·08				
8 „	.661	.831	77.2	75.0	2.2	74.1	.91	78.5	83.5	SW b W	0.0					
9 „	.658	.741	80.0	78.0	2.0	77.2	.92	80.0	83.5	„	0.0					
10 „	.657	.755	81.4	78.0	3.4	76.7	.86	81.0	83.5	SW b S	0·0					
11 „	.659	.703	82·2	79.5	2.7	78.5	.89	81.8	83.5	SSE	0.2					
Noon.	.657	.705	82.6	79.5	3.1	78·4	.88	82.1	83.6	„	0.2					
1 p. m.	.655	.685	86.0	80.8	5.2	79.0	.80	83.7	83.8	SW b S	0·2					
2 „	·643	.693	86.6	80.5	6.1	78.3	.77	83.9	83·9	SW	0.2					
3 „	.632	.696	85.9	80·0	5.9	77.9	.78	83·9	84.0	„	0.2					
4 „	.614	.695	84.4	79.2	5.2	77.3	.80	83.3	84.1	„	0.1					
5 „	.614	.696	83.7	79.0	4.7	77.3	.82	83.0	84.0	„	0.1					
6 „	.629	.700	82.7	79.0	3.7	77.6	.85	82.3	83.9	„	0.1					
7 „	·649	.675	82·8	80·1	2.7	79.1	.89	82.2	83.9	W b S	0·7					
8 „	.663	.818	75.8	75.0	0.8	74.7	.96	78.0	83.5	NW	5.8	0.05				
9 „	.680	.878	76.3	74.0	2.3	73.0	.90	78.0	83.5	„	0.3	0.09				
10 „	.667	.862	76.0	74.0	2.0	73.2	.91	77.7	83.3	NE	0.2	0.14				
11 „	.667	·828	76·4	75.0	1.4	74.4	.94	77.9	83.3	NE b E	0·1					
June 23rd-Midnight	.657	.802	76.7	75.5	1.2	75.0	.95	78.0	83.0	E b N	0.3					
1 a. m.	.639	.763	77.6	76.3	1.3	75.8	.94	78.6	83·0	E	0.1	0·01				
2 „	.636	.765	78·0	76.3	1.7	75.6	.93	78.6	83.0	„	0.1					
3 „	.631	.755	78.3	76.5	1.8	75.8	.92	78.9	83.0	„	0·1					
4 „	.644	.739	78.6	77.3	1.3	76.8	·95	79.1	82.9	E b S	0.1					
5 „	.654	.749	78.6	77.3	1.3	76.8	.95	79.2	82.8	„	0.1					
6 „	.676	.763	78.6	77.5	1·1	77.1	·95	79.2	82.8	„	0.3					
7 „	.678	.775	79.5	77.5	2.0	76.7	·92	79.8	82.8	„	0.0					
8 „	.700	.786	81·0	78.2	2.8	77.1	.88	80.3	82.9	„	0.0					
9 „	.709	.810	81.6	78.0	3.6	76.6	·86	81.0	83.0	„	0.0					
10 „	.708	.759	84.7	80.0	4.7	74.9	.82	82.9	83.1	ESE	0.0		None.	None.	None.	None.
11 „	.702	.727	84.3	80.5	3·8	75.8	.85	83.0	83.4	SSE	0.2					
Noon.	.692	.714	86·0	81.0	5.0	79.3	.81	83.9	83.5	S b E	0.3					
1 p. m.	.682	.724	86.6	80.7	5.9	78.6	.78	84.3	83.6	SSW	0.2					
2 „	.677	.718	87.7	81.0	6.7	78.6	.75	84.9	83.9	„	0.3					
3 „	.669	.693	88.2	81.5	6.7	79.2	.75	85.0	84.0	„	0.3					
4 „	.666	.746	85·0	79.7	5.6	77.3	.79	84.2	84.0	„	0.2					
5 „	.660	·688	84.6	80.5	4.1	79.1	.84	83.7	84.0	SW b S	0.1					
6 „	.669	.718	84.5	80.0	4.5	78.4	.83	83.8	84.0	SSW	0.1					
7 „	.690	.782	82.8	78.5	4.3	76.9	.83	82.8	84.0	SW b S	0.1					
8 „	.710	.773	82.0	79.0	3.0	77.9	.88	82.0	84.0	S b W	0.0					
9 „	.728	.785	82.2	79.2	3.0	78.1	.88	82.0	83.9	SW b S	0.0					
10 „	.734	.797	82.0	79·0	3.0	77.9	.88	82.0	83.8	SSW	0.0					
11 „	.727	.790	82.0	79.0	3·0	77.9	.88	81.9	83.7	S b W	0.0					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌐i cirri; ∿i cirro-cumuli; ⌒i cumuli; ⌣i cirro-strati; ⌒i cumulo-strati; and ∿i nimbi.	
8	R	Overcast with ∿i and ∿i, the former moving E.	
8	B	Overcast.	
8	B	"	
8	C	Overcast with ∿i and ∿i, both moving SE; a few drops of rain after 3h. 38m.	
8	C	Overcast with ∿i and ∿i, moving ESE; drops of rain falling till 4h. 7m.	
8	R	Overcast; no rain.	
8	R	Overcast with ∿i and ∿i, the former moving SE, and the latter WNW.	
8	B	Overcast with ∿i, moving SE.	
8	B	" "	
8	C	Overcast; lightning in S at long intervals.	
8	C	Overcast with ∿i, moving E; lightning in S, SW, & E; light rain from 10h. 18m. to 10h. 50m.	
8	R	Overcast; lightning in S and SW hor.	
8	R	Overcast with ∿i, moving E; lightning and thunder in W and E; rain commenced at 0h. 30m.	Mean daily temperature of ground 20 and 60 inches below its surface 85°2 and 85°1. Daily fall of rain by Osler's Gauge 1·65in.; maximum tension of Electricity by Henly's Apparatus 10; maximum length of the spark by Ronald's measure 0·12 in.
8	B	Overcast; lightning in NE; raining lightly.	
8	B	Overcast; lightning in W; rain ceased at 2h. 10m.	
8	B	Overcast with ∿i, moving S; lightning in NW, and occasional thunder in S.	
8	B	Overcast; lightning in NW every minute; occasional thunder in S.	
8	C	Overcast; light rain from 5h. 37m. to 5h. 49m., but afterwards light drops of rain now and then.	
8	C	Overcast; light rain after 6h. 30m.	
8	R	Overcast with ∿i, moving SE; raining.	
8	C	Overcast; rain ceased at 8h. 30m.	
8	R	Overcast; no rain.	
8	R	Overcast with ∿i, moving E.	
8	R	Overcast with ∿i, moving N.	
8	R	" "	
7	B	⌒i around hor; ⌐i and ∿i scattered throughout.	
7	B	" " "	
8	B	Overcast with ⌐i, ∿i, and ∿i, the latter moving SE.	
8	B	⌒i and ∿i around hor.; ⌐i and ∿i scattered throughout.	
8	C	Overcast with ∿i and ∿i, the former moving NE.	
8	C	" " "	
8	C	Overcast with ∿i, moving E; fresh breezes of wind, accompanied with light drops of rain, after 7h. 10m.	
8	C	Overcast; light rain.	
8	C	" "	
8	R	Overcast; rain ceased at 10h. 28m.	
8	R	Overcast; no rain.	
8	R	Overcast with ∿i and ∿i, both moving E; light rain between 0h. 19m. and 0h. 32m.	Mean daily temperature of ground 20 and 60 inches below its surface 85°0 and 85°0. Daily fall of rain by Oslers's Gauge 0·01in.
8	B	Overcast with ∿i and ∿i, the former moving NE.	
5	B	∿i around hor.; ∿i scattered about.	
8	B	Overcast with ∿i, moving NE.	
8	B	" "	
8	C	" "	
8	C	" "	
8	R	∿i, ∿i, and ⌐i scattered throughout, the former moving NE.	
8	C	∿i around hor., moving NE; ⌐i and ∿i scattered throughout.	
7	R	⌐i, ∿i, and ∿i scattered about, the latter moving ENE.	
5	R	∿i around hor., moving NNE; ⌐i and ∿i scattered about.	
7	R	⌐i, ∿i, and ∿i scattered about, the latter moving NE.	
5	R	∿i around hor., moving NNE; ⌐i and ∿i scattered about.	
4	B	⌒i around hor.; ∿i scattered about.	
4	B	" "	
5	B	⌒i around hor.; ⌐i and ∿i scattered about.	
6	B	⌐i, ∿i, and ∿i scattered throughout, the latter moving W.	
7	R	⌐i, ∿i, and ∿i scattered throughout, the latter moving E.	
7	R	Clouded as before, but ∿i moving ENE; a few drops of rain at 6h. 10m.	
4	R	⌐i and ∿i scattered about, the latter moving NE.	
4	R	A few masses of ∿i around hor.; ⌐i and ∿i scattered about.	
3	R	∿i around hor.; ⌐i scattered about.	
1	R	⌐i in E, NE, and W hor.	
1	R	⌐i scattered along S hor.	

Bombay Civil Time. 1860.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in Seconds during same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
June 25th-Midnight	29.738	28.759	82°0	80°0	2°0	79°3	0.92	82°2	84°5	SW	0.1					
1 a. m.	.723	.763	82·2	79.6	2.6	78.7	.89	82.3	84.4	WSW	0.2					
2 „	.708	.748	82·2	79.6	2.6	78.7	.89	82.3	84.4	W b S	0.2					
3 „	.701	.748	82.2	79.0	3.2	77.8	.87	82.2	84.3	W	0.2					
4 „	.701	.787	82.2	78.5	3.7	77.1	.85	82.2	84.3	WSW	0.1					
5 „	.702	.765	82.0	79.0	3.0	77.9	.88	82.0	84.2	„	0.6					
6 „	.711	.763	81.0	79.0	2.0	78.3	.92	81.2	84.1	W b N	0.0					
7 „	.727	.846	79.7	77.0	2.7	76.0	.89	81.0	84.0	WSW	0.0	0.07				
8 „	.747	.765	83.7	80.5	3.2	79.4	.87	82.9	84.2	W b N	0.1					
9 „	.751	.746	86.0	81.6	4.4	80.1	.83	84.5	84.4	W	0.4					
10 „	.762	.755	87.4	82.0	5.4	80.2	.80	85.5	84.5	„	0.3					
11 „	.753	.759	88.9	82.1	6.8	79.8	.75	86.4	84.6	„	0.2					
Noon.	.749	.764	89.4	82.0	7.4	79.5	.73	86.7	84.9	„	0.3				None.	
1 p. m.	.743	.746	88.3	82.0	6.3	79.9	.76	86.2	84.9	SW b W	0.7	0.01				
2 „	.735	.747	89.9	81.2	8.7	79.6	.73	86.9	85.1	SW	0.8					
3 „	.718	.752	88.3	81.3	7.0	78.9	.74	86.3	85.1	„	0.6					
4 „	.712	.723	89.0	82.0	7.0	79.6	.75	86.6	85.2	„	0.7					
5 „	.712	.788	87.0	80.0	7.0	77.5	.74	86.0	85.3	„	0.5					
6 „	.716	.748	85.3	80.6	4.7	78.9	.82	85.0	85.2	„	0.3					
7 „	.723	.766	84.0	80.0	4.0	78.6	.84	84.1	85.0	„	0.2					
8 „	.728	.769	83.8	80.0	3.8	78.6	.85	84.0	84.9	„	0.3					
9 „	.736	.856	81.2	77.4	3.8	75.9	.85	83.8	84.9	SW b W	0.2		+	12		0.01
10 „	.726	.774	82.6	79.5	3.1	78.4	.88	82.9	84.9	SW	0.5					
11 „	.720	.770	82.8	79.5	3.3	78.3	.87	82.9	84.7	„	0.3					
June 26th-Midnight	.706	.751	82.7	79.6	3.1	78.5	.88	83.0	84.7	SW	0.4					
1 a. m.	.686	.745	82.8	79.3	3.5	78.0	.86	83.2	84.7	„	0.8					
2 „	.673	.732	82.8	79.3	3.5	78.0	.86	83.1	84.7	„	1.5					
3 „	.668	.717	82.8	79.3	3.5	78.0	.86	83.0	84.7	„	0.8					
4 „	.668	.731	82.7	79.2	3.5	77.9	.86	82.8	84.7	„	0.8					
5 „	.672	.737	82·8	79.0	3.8	77.8	.87	82.9	84.6	„	0.8					
6 „	.682	.777	83.0	78.5	4.5	76.8	.82	82.9	84.6	„	0.2					
7 „	.696	.768	83.6	79.2	4.4	77.6	.83	83.0	84.5	„	1 to 2					
8 „	.711	.769	85.4	80.0	5.4	78.1	.79	84.2	84.7	„	0.4					
9 „	.712	.786	86.8	80.0	6.8	77.5	.75	84.9	84.9	„	0.2					
10 „	.714	.748	87.9	81.2	6.7	78.9	.75	86.0	85.0	„	0·2					
11 „	.698	.757	88.6	80.8	7.8	78.0	.72	86.3	85.2	„	1½ to 2¾					
Noon.	.687	.742	89.0	81.0	8.0	78.2	.71	86.5	85.2	„	1½ to 2¾					
1 p. m.	.679	.734	89.0	81.0	8.0	78.2	.71	86.5	85.2	„	0.8					
2 „	.662	.750	89.3	80.3	9.0	77.0	.68	86.8	85.3	„	0 to 1¼					
3 „	.658	.708	89.4	81.2	8.2	77.3	.71	87.0	85.4	„	0.5					
4 „	.648	.714	88.8	80.7	8.1	77.8	.71	86.8	85.5	„	0.6					
5 „	.647	.720	86.7	80.0	6.7	77.6	.75	86.0	85.5	„	0.5					
6 „	.660	.760	85.4	79.0	6.4	76.6	.76	85.1	85.5	„	0.4					
7 „	.667	.733	84.2	79.5	4.7	77.3	.82	84.2	85.3	„	0.4					
8 „	.668	.753	84.0	79.0	5.0	77.2	.81	84.0	85·2	„	0.3					
9 „	.680	.761	83.7	79.0	4.7	77.3	.82	83.8	85.1	SSW	0.4					
10 „	.685	.766	83.6	79.0	4.6	77.3	.82	83.6	85.2	„	0·3					
11 „	.678	.764	83.3	78.8	4.5	77.1	.86	83.4	85.1	„	0.5		+	5		3.18
June 27th-Midnight	.666	.740	83.0	79.0	4.0	77.5	.84	83.1	85.0	SSW	0.2					
1 a. m.	.649	.741	82.8	78.5	4.3	76.9	.83	83.0	85.0	„	0.5					
2 „	.644	.695	82.4	79.4	3.0	78.3	.88	82.9	85.0	„	0.2					
3 „	.635	.736	82.4	78.2	4.2	76.6	.83	82.9	85.0	„	0.2					
4 „	.643	.708	82.2	79.0	3.2	77.8	.87	82.5	84.9	„	0.7					
5 „	.650	.697	80.5	79.0	1.5	78.4	.94	81.2	84.7	SW	0 to 1¼	0.14				
6 „	.678	.764	81.8	78.4	3.4	77.1	.86	81.9	84.6	SSW	0.6		None.	None.	None.	None.
7 „	.701	.759	83.0	79.4	3.6	78.1	.86	82.9	84.6	„	0.4					
8 „	.722	.759	84.6	80.3	4.3	78.8	.83	83.7	84.7	„	0.6					
9 „	.733	.753	85.8	81.0	4.8	79.3	.82	84.9	84.9	„	0.5					
10 „	.733	.746	87.2	81.5	5.7	79.5	.79	85.5	85.0	„	0.3					
11 „	.738	.712	88.5	82.7	5.8	80.8	.79	86.1	85.2	„	0.3					

Less than one cent.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌇i cirri; ⌇⌇i cirro-cumuli; ⌒i cumuli; ⌣i cirro-strati; ⌒⌣i cumulo-strati; and ⌣⌣i nimbi.	
4	R	⌇i and ⌇⌇i scattered about, moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 85°0 and 85°0. Daily fall of rain by Osler's Gauge 0·08.
3	B	Masses of ⌣⌣i scattered about, moving E.	
3	B	" "	
2	B	Masses of ⌣⌣i scattered along E hor.	
3	B	Masses of ⌣⌣i scattered about, moving ESE.	
8	C	Overcast with ⌣⌣i, moving E; drizzling rain at 5h. 4m. and at 5h. 37m., which lasted in each instance 4m.	
7	C	Densely clouded with ⌇i & ⌣⌣i, the latter moving E; drizzling rain at 6h. 45m., which lasted 7m.	
7	R	⌣⌣i scattered about, moving E.	
6	C	⌇i, ⌇⌇i, and ⌣⌣i scattered about, the latter moving E; a few drops of rain at 8h. 57m.	
6	R	Clouded as before, but no rain.	
4	R	⌇i, ⌇⌇i, and ⌣⌣i scattered about, the two latter moving NE.	
4	R	⌇i and ⌣⌣i scattered about, the latter moving NE.	
6	R	⌇i, ⌇⌇i, & ⌣⌣i scattered throughout, the latter moving E; light rain from 12h. 43m. to 12h. 50m.	
5	B	⌣⌣i around hor., moving E; ⌇i and ⌇⌇i scattered about.	
5	B	⌣⌣i around hor., moving ENE; ⌇i and ⌇⌇i scattered about.	
7	B	⌇i, ⌇⌇i, and ⌣⌣i scattered throughout, the latter moving ENE.	
7	B	" " "	
7	C	⌣⌣i scattered throughout, moving ENE; light rain from 5h. 3m. to 5h. 6m.	
6	C	⌣⌣i and ⌇⌇i scattered about, the former moving ENE.	
4	C	⌣⌣i around hor., moving NE; ⌇⌇i scattered about.	
4	C	⌣⌣i around hor.; ⌇⌇i scattered about; drizzling rain from 8h. 45m. to 9h.	
7	R	Densely clouded with ⌣⌣i, moving NE.	
7	R	Densely clouded with ⌣⌣i and ⌇i, the former moving NE.	
2	R	⌇i and a few masses of ⌣⌣i scattered here and there, the latter moving NE; light drops of rain between 11h. 45m. and [11h. 47m.	
4	R	Masses of ⌣⌣i scattered about, moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 85°7 and 85°1.
5	B	" " "	
3	B	" " "	
6	B	" " "	
3	B	" " "	
5	C	⌣⌣i and ⌇⌇i scattered about, both moving E.	
5	C	⌣⌣i around hor., moving NE; ⌇i and ⌇⌇i scattered about.	
4	R	⌇i, ⌇⌇i, and ⌣⌣i scattered about, the latter moving NE.	
4	C	A few ⌇⌇i above E hor.; ⌣⌣i and ⌇i scattered about, the former moving NE.	
3	R	⌇⌇i along E hor.; ⌇i and ⌣⌣i scattered about, the latter moving ENE.	
6	R	A few ⌇⌇i in E, above hor.; ⌣⌣i scattered about, moving NE.	
4	R	⌣⌣i scattered about, moving NE.	
5	R	⌒i in E hor.; ⌣⌣i scattered about, moving NE.	
5	B	⌒i in ESE hor.; ⌣⌣i and ⌇⌇i scattered about, the former moving NE.	
6	B	⌣⌣i and ⌇⌇i scattered throughout, the former moving ENE.	
4	B	⌣⌣i and ⌇⌇i scattered about, moving ENE; a few drops of rain at 3h. 33m.	
4	B	⌣⌣i scattered about, moving NE.	
4	C	" "	
3	C	" "	
4	C	⌇⌇i in E; ⌣⌣i scattered about hor., moving NE.	
4	C	Masses of ⌣⌣i scattered about, moving NE.	
4	C	" " "	
3	R	" " "	
2	R	⌣⌣i scattered about hor., moving NE.	
2	R	⌣⌣i scattered around hor., moving NE.	Mean daily temperature of ground 20 and 60 inches below its surface 85°0 and 85°1. Daily fall of rain by Osler's Gauge 0·26in.
2	B	" "	
5	B	⌣⌣i scattered about, moving NE; a few drops of rain at 2h. 8m.	
2	B	Masses of ⌣⌣i scattered here and there.	
7	B	Densely clouded with ⌣⌣i, moving NE; light rain from 4h. 19m. to 4h. 31m.	
7	C	⌣⌣i scattered throughout, moving NE.	
7	C	⌣⌣i around hor., moving NE; ⌇i scattered throughout.	
7	R	Clouded as at 6 A. M.	
6	C	" "	
4	C	⌣⌣i and ⌇i scattered about, the former moving NE.	
5	R	⌇i above W hor.; ⌣⌣i scattered about, moving ENE.	
6	R	⌇i and ⌣⌣i scattered throughout, the latter moving ENE.	

Bombay Civil Time. 1860.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
June 27th—Noon.	29.722	28.735	89°2	82°0	7°2	79°5	0.74	86°9	85°3	SSW	0.3					Above 10m.
1 p. m.	.707	.839	85.2	78.2	7.0	75.5	.74	85.1	85.3	WSW	0 to 1¼	0.01				
2 „	.699	.719	85.1	80.8	4.3	79.3	.84	84.8	85.2	SSW	0.2					
3 „	.685	.674	83.0	81.0	2.0	80.3	.92	83.0	85.0	SW b W	0 to 1¾	0.09				
4 „	.678	.703	85.2	80.7	4.5	79.1	.83	84.5	85.2	SSW	0.5					
5 „	.671	.722	84.7	80.0	4.7	78.3	.82	84.3	85.2	„	0 to 1¼					
6 „	.683	.763	83.5	79.0	4.5	77.3	.83	83.8	85.0	SW	0.4					
7 „	.696	.730	83.2	80.0	3.2	78.9	.87	83.1	84.9	SSW	0.4					
8 „	.706	.777	83.1	79.1	4.0	77.6	.84	83.1	84.9	„	0.5					
9 „	.714	.764	83.1	79.6	3.5	78.3	.86	83.0	84.9	„	0.4		+			2.15
10 „	.720	.777	82.9	79.4	3.5	78.1	.86	83.0	84.9	„	0.5		+	2		3.00
11 „	.722	.770	82.6	79.5	3.1	78.4	.88	82.9	84.9	„	0.4		+	2		Above 10m.
June 28th—Midnight	.710	.756	82.4	79.5	2.9	78.5	.88	82.7	84.9	SSW	0.2		+	1		Above 10m.
1 a. m.	.694	.757	82.0	79.0	3.0	77.9	.88	82.4	84.8	„	1.3		+	2		Above 10m.
2 „	.690	.781	81.1	78.1	3.0	76.9	.88	81.9	84.7	„	1.3					
3 „	.685	.832	80.4	76.5	3.9	75.0	.84	81.2	84.6	„	0.1					
4 „	.690	.752	80.0	78.5	1.5	77.9	.94	81.0	84.5	S	0.2	0.27				
5 „	.703	.758	81.3	79.0	2.3	78.2	.91	81.3	84.5	SSW	0.3					
6 „	.720	.756	81.4	79.0	2.4	78.1	.90	81.5	84.5	S b W	0.2					
7 „	.738	.770	82.6	79.9	2.7	78.9	.89	82.5	84.5	SSW	0.1					
8 „	.748	.793	84.2	80.0	4.2	78.5	.84	83.2	84.5	„	0.2					
9 „	.755	.773	85.6	81.0	4.6	79.3	.82	84.1	84.7	„	0.2					
10 „	.754	.785	86.8	81.0	5.8	79.0	.78	85.0	84.9	„	0.1					
11 „	.752	.731	88.5	82.6	5.9	80.6	.78	86.0	85.0	„	0.1					
Noon.	.747	.708	89.4	83.2	6.2	81.2	.77	86.6	85.1	„	0.2					
1 p. m.	.737	.754	89.5	82.0	7.5	79.4	.73	86.6	85.2	SW	0.3					
2 „	.725	.726	90.1	82.5	7.6	79.9	.73	87.1	85.4	„	0.3					
3 „	.711	.743	89.3	81.6	7.7	78.9	.72	86.9	85.5	„	0.3					
4 „	.700	.779	87.3	80.0	7.3	77.4	.73	86.2	85.5	SSW	0.7					
5 „	.692	.718	86.4	81.0	5.4	79.1	.80	85.9	85.4	SW	0.3					
6 „	.694	.746	84.8	80.0	4.8	78.3	.81	85.0	85.3	„	0.2					
7 „	.709	.752	84.0	80.0	4.0	78.6	.84	84.1	85.2	„	0.2					
8 „	.718	.757	83.6	80.0	3.6	78.7	.85	83.9	85.2	„	0.2					
9 „	.734	.846	82.6	78.0	4.6	76.2	.82	82.9	85.0	„	0.4					
10 „	.730	.758	82.6	80.0	2.6	79.1	.90	83.0	85.0	SSW	0.2		+	1		Above 10m.
11 „	.720	.766	82.4	79.5	2.9	78.5	.88	83.0	85.0	SW b S	0.1					
June 29th—Midnight	.720	.783	82.0	79.0	3.0	77.9	.88	82.8	85.0	SW	0.2	0.05				
1 a. m.	.707	.727	81.9	80.0	1.9	79.3	.92	82.4	85.0	SW b S	0.2	0.04				
2 „	.692	.746	81.9	79.2	2.7	78.2	.89	82.4	85.0	„	0.6					
3 „	.686	.797	80.8	77.5	3.3	76.3	.87	81.8	84.9	W b S	0.7	0.03				
4 „	.684	.734	81.6	79.2	2.4	78.3	.90	82.0	84.7	WSW	0.7	0.05				
5 „	.684	.739	81.3	79.0	2.3	78.2	.91	81.8	84.6	„	0.4					
6 „	.700	.721	82.0	80.0	2.0	79.3	.92	82.2	84.6	„	0.2					
7 „	.714	.735	82.0	80.0	2.0	79.3	.92	82.2	84.6	„	0.3					
8 „	.720	.738	82.5	80.2	2.3	79.4	.91	82.4	84.6	„	0.4					
9 „	.720	.703	84.5	81.5	3.0	80.5	.88	83.8	84.8	„	0.1					
10 „	.720	.707	86.8	82.0	4.8	80.4	.82	85.2	85.0	„	0.3					
11 „	.704	.699	87.5	82.0	5.5	80.1	.80	86.0	85.1	„	0.5					
Noon.	.704	.738	79.4	79.0	0.4	78.9	.98	80.3	84.5	WNW	½ to 2¾	0.84	—	Out of Sc.	Out of Sc.	Instantly.
1 p. m.	.705	.817	79.0	77.0	2.0	76.2	.92	80.1	84.4	NNW	0.1		—	Out of Sc.	Out of Sc.	Instantly.
2 „	.697	.819	78.5	76.6	1.9	75.8	.92	79.6	84.3	N b W	0.0	0.03				
3 „	.683	.799	78.0	76.6	1.4	76.1	.94	79.3	84.2	SW	0.2	0.14	+	20	20	0.03
4 „	.670	.840	78.0	75.2	2.8	74.1	.89	79.3	84.1	WSW	0.2	0.05				
5 „	.668	.812	78.6	76.0	2.6	75.0	.89	79.3	84.0	W b N	0.1					
6 „	.670	.788	78.8	76.8	2.0	76.0	.92	79.6	84.0	SW b W	0.1					
7 „	.678	.809	78.2	76.3	1.9	75.5	.92	79.4	83.9	SW	0.1					
8 „	.686	.789	78.2	77.0	1.2	76.5	.95	79.4	83.9	SW b S	0.0	0.03				
9 „	.688	.789	78.0	77.0	1.0	76.6	.92	79.2	83.6	SSE	0.0	0.55				
10 „	.686	.767	78.0	77.5	0.5	77.3	.98	79.4	83.5	„	0.0					
11 „	.684	.770	78.1	77.4	0.7	77.1	.97	79.4	83.5	SE b S	0.0	0.01				

None.

None.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ⌒ cumuli; ⌒≀ cirro-strati; ⌒⌒ cumulo-strati; and ≀≀ nimbi.	
6	R	≀ and ≀≀ scattered throughout; light rain at 12h. 50m., which lasted 3m.	
8	B	Overcast with ≀≀, moving ENE; drizzling rain from 1h. 6m. to 1h. 16m.	
8	B	Overcast; rain commenced at 2h. 23m. and ceased at 2h. 30m., but recommenced at 2h. 45m., which lasted 3m.	
8	B	Overcast; breaks in W.	
8	B	Overcast with ≀≀ and ≀≀, moving ENE.	
7	C	Densely clouded with ≀, ≀≀, and ≀≀, the latter moving NE.	
7	C	≀≀ around hor., moving NE; ≀ and ≀≀ scattered throughout.	
6	C	≀≀ scattered throughout, moving NE.	
4	C	" "	
4	C	" "	
5	R	" "	
2	R	Masses of ≀≀ scattered here and there, moving NE.	
3	R	≀≀ and ≀ scattered about, the former moving NE.	Mean daily temperature of ground 20 and 60 inches below its surface 85°1 and 85°2. Daily fall of rain by Osler's Gauge 0·23.
4	B	≀≀ scattered about, moving NE.	
7	B	≀≀ scattered throughout, moving NE.	
8	B	Overcast with ≀≀; light rain between 3h. 13m. and 3h. 46m.	
8	B	Overcast; a few stars dimly visible.	
8	C	≀≀ around hor., moving NE; ≀ and ≀≀ scattered throughout.	
8	C	" " "	
7	R	Densely clouded with ≀≀ and ≀≀, the former moving NE.	
2	C	A few ≀≀ above E hor.; ≀≀ scattered about hor.	
6	R	≀≀ and ≀ scattered about, the former moving NE.	
3	R	≀≀ around hor., moving NE; ≀ and ≀≀ scattered about.	
4	R	≀, ≀≀, and ≀≀ scattered about, the latter moving NE.	
4	R	" " "	
4	B	≀ and ≀≀ scattered about, the latter moving NE.	
7	B	≀≀ around hor.; ≀ scattered throughout.	
7	B	Densely clouded with ≀ and ≀≀, the latter moving NE.	
7	B	≀≀ scattered throughout; light rain at 4h. 12m., which lasted 10m.	
7	C	Densely clouded; no rain.	
7	C	≀≀ around hor.; ≀ scattered throughout.	
7	C	≀ and ≀≀ scattered throughout, the latter moving NE.	
6	C	" " "	
7	C	≀≀ scattered throughout; light rain from 9h. 0m. to 9h. 6m.	
6	R	≀, ≀≀, and ≀≀ scattered throughout, the latter moving NE.	
2	R	≀≀ and ≀ scattered about hor.; light rain commenced at 11h. 55m.	
7	R	≀≀ scattered throughout, moving NE; rain ceased at 0h. 10m.	Mean daily temperature of ground 20 and 60 inches below its surface 85°0 and 85°2. Daily fall of rain by Osler's Gauge 1·81; maximum tension of Electricity by Henly's Apparatus 16; maximum length of the spark by Ronald's measure 0·20in.
7	B	≀≀ around hor.; ≀≀ scattered throughout. [lightning in N.	
6	B	≀≀ scattered about hor., and in N; ≀≀ scattered throughout; a shower of rain at 2h. 35m., 2h. 42m., and at 2h. 55m.;	
7	B	Densely clouded with ≀≀, moving ENE; lightning in N at intervals of 20s; low distant thunder occasionally; rain ceased	
5	B	≀≀ scattered about, moving ENE; lightning in NE occasionally observed. [at 3h. 14m.	
8	C	Overcast with ≀, ≀≀, and ≀≀, the latter moving ENE.	
8	C	Overcast with ≀≀, moving NE.	
8	C	" "	
8	C	Overcast; drizzling rain at 8h. 10m.	
8	R	Overcast; no rain.	
8	R	≀≀ and ≀≀ scattered throughout, the former moving NE.	
8	R	Overcast with ≀≀; light rain between 11h. 23m. and 11h. 45m.	
8	R	Overcast with ≀≀, moving ESE; a few drops of rain at 12h. 8m.	
8	B	Overcast with ≀≀, moving SE; rain commenced at 1h. 3m.	
8	B	Overcast; rain ceased at 2h. 14m., but recommenced at 2h. 39m., and again ceased at 2h. 50m.; heavy rain at 2h. 57m.	
8	B	Overcast; rain ceased at 3h. 19m.	
8	B	Overcast with ≀≀, moving ESE.	
8	C	" "	
6	C	≀ and ≀≀ scattered throughout; ≀≀ around hor.	
6	C	Densely clouded with ≀, ≀≀, and ≀≀, the latter moving E; light rain at 7h.22m., which lasted 7m.	
8	C	Overcast with ≀≀, moving E; rain commenced at 8h. 9m.	
8	R	Overcast; rain ceased at 9h. 20m.	
8	R	Overcast; a shower of rain at 10h. 57m., which lasted 3m.	
8	R	Overcast; a shower of rain at 11h. 45m., which lasted 3m.	

Bombay Civil Time. 1860.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet-Bulb Thermometer.	Thermometers. Depression of Wet-Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of, Straws of Volta 1.	Electrical Instruments. Readings of, Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
June 30th-Midnight	29.666	28.749	78°2	77°5	0°7	77°2	0.97	79°2	83°4	SE	0.0					
1 a. m.	.647	.748	78.0	77.0	1.0	76.6	.96	79.1	83.4	SE b S	0.2					
2 „	.630	.731	78.0	77.0	1.0	76.6	.96	79.0	83.3	„	0.3					
3 „	.630	.763	77.4	76.0	1.4	75.5	.94	78.6	83.1	NW b N	0.3	0.13	+	1		Above 10m.
4 „	.632	.792	76.6	75.1	1.5	74.5	.94	78.0	83.0	NNW	0.0	0.33	+	Out of Sc.	30	0.12
5 „	.632	.757	76.6	76.0	0.6	75.8	.97	78.0	82.9	N b E	0·0	0.16				
6 „	.649	.774	76.6	76.0	0.6	75.8	.97	77.9	82.8	N	0.0	0.06				
7 „	.663	.756	77.3	77.0	0.3	76.9	.99	78.5	82.9	NNE	0.0	0.02				
8 „	.680	.767	78.2	77.4	0.8	77.1	.96	79.0	82.9	„	0·0	0.01				
9 „	.674	.713	79.8	79.0	0.8	78.7	.97	80.0	83.0	N b E	0·0					
10 „	.702	.763	81.8	79.0	2.8	78.0	.89	81.5	83.2	SW b W	0·2					
11 „	.682	.783	81.6	78.0	3.6	76.6	.86	81.5	83.3	„	0.1					
Noon.	.677	.744	81.2	78.7	2.5	77.8	.90	81.4	83.3	„	0.1					
1 p. m.	.674	.759	81.3	78.3	3.0	77.2	.88	81.2	83.3	WSW	0.2	0.02				
2 „	.648	.751	81.8	78.0	3.8	76.5	.84	81.3	83.3	W	0.4					
3 „	.631	.766	81.1	77.0	4.1	75.4	.85	80.9	83.4	„	0.5					
4 „	.608	.739	81.5	77.2	4.3	75.5	.83	81.0	83.3	WSW	0·3					
5 „	.594	.699	82.0	78.0	4.0	76.5	.84	81.3	83.4	W	0.1					
6 „	.614	.716	81.7	78.0	3.7	76.6	.85	81.3	83.4	W b N	0·1					
7 „	.630	.722	80.8	78.0	2.8	76.9	.89	81.0	83.3	„	0·1					
8 „	.644	.712	80.6	78.5	2.1	77.7	.91	81.0	83.3	S b E	0.1					
9 „	.648	.701	80.3	78.8	1.5	78.2	.94	81.0	83.3	„	0.3	0.01				
10 „	.652	.693	80.0	79.0	1.0	78.6	.96	80.5	83.2	SSE	0·1	0.06				
11 „	.646	.687	80.0	79.0	1.0	78.6	.96	80.0	83.2	„	0.1	0.09				
July 2nd-Midnight	.575	.648	79.1	78.0	1.1	77.6	.95	79.8	82.5	SSE	0.3					
1 a. m.	.549	.613	78.3	78.0	0.3	77.9	.99	79.1	82.6	„	0.0					
2 „	.529	.628	77.8	77.0	0.8	76.7	.97	79.0	82.6	„	0.0					
3 „	.511	.592	77.7	77.4	0.3	77.3	.99	78.7	82.5	„	0·0	0.03				
4 „	.510	.602	77.2	77.0	0.2	76.9	.99	78.5	82.5	„	0.0					
5 „	.513	.597	77.2	77.2	0.0	77.2	1.00	78.5	82.5	SSW	0.0	0.24				
6 „	.531	.592	78.0	78.0	0.0	78.0	1.00	79.0	82.5	SW	0.1	0.14				
7 „	.550	.611	78.0	78.0	0.0	78.0	1.00	78.9	82.4	SW b S	0.1	0.10				
8 „	.562	.589	80.2	79.4	0.8	79.1	0.97	80.3	82.6	„	0.3					
9 „	.574	.617	80.2	79.0	1.2	78.6	.95	80.4	82.6	SSW	0.4					
10 „	.570	.618	80.6	79.0	1.6	78.4	.93	80.8	82.7	SW b S	0.3	0.01				
11 „	.565	.611	81.2	79.2	2.0	78.5	.92	81.1	82.7	„	0.4		None.	None.	None.	None.
Noon.	.561	.605	81.3	80.0	1.3	78.5	.95	81.0	82.7	SSW	0.3					
1 p. m.	.543	.597	81.2	79.0	2.2	78.2	.91	81.3	82.9	„	0.1					
2 „	.540	.562	82.1	80.0	2.1	79.3	.91	81.9	83.0	„	0.1					
3 „	.516	.558	82.0	79.5	2.5	79.0	.90	81.9	83.0	WSW	0.1					
4 „	.496	.550	81.2	79.0	2.2	78.2	.91	81.2	83.0	W b S	0.1					
5 „	.507	.559	81.0	79.0	2.0	78.3	.92	81.2	83.0	WSW	0.2					
6 „	.511	.584	79.8	78.2	1.6	77.6	.93	80.4	83.0	SW b W	0.1	0.02				
7 „	.528	.594	79.2	78.2	1.0	77.5	.96	80.1	82.8	SW	0.1	0.04				
8 „	.553	.661	78.6	77.0	1.6	76.4	.93	80.0	82.8	„	0.1					
9 „	.553	.642	78.8	77.5	1.3	77.0	.95	79.7	82.7	SW b S	0.0					
10 „	.559	.621	79.6	78.4	1.2	77.9	.95	80.0	82.7	SSE	0.1					
11 „	.546	.616	78.8	78.0	0.8	77.7	.97	79.7	82.7	„	0.2	0.18				
July 3rd-Midnight	.536	.606	78.8	78.0	0.8	77.7	.97	79.6	82.6	SE	0.2					
1 a. m.	.529	.580	79.0	78.5	0.5	78.3	.98	79.6	82.6	„	0.1					
2 „	.502	.574	79.0	78.0	1.0	77.6	.96	79.5	82.6	„	0.2					
3 „	.491	.559	78.6	78.0	0.6	77.7	.97	79.3	82.5	„	0.2					
4 „	.491	.568	78.0	77.6	0.4	77.4	.98	78.9	82.5	SE b S	0.2					
5 „	.493	.557	78.3	78.0	0.3	77.9	.99	79.0	82.5	„	0.2		None.	None.	None.	None.
6 „	.523	.607	78.3	77.5	0.8	77.2	.97	79.1	82.5	S	0.1					
7 „	.536	.596	79.4	78.4	1.0	78.0	.96	79.8	82.5	S b W	0.3					
8 „	.557	.597	79.9	79.0	0.9	78.7	.96	80.2	82.6	SE b S	1.0					
9 „	.547	.588	80.0	79.0	1.0	78.6	.96	80.3	82.6	„	0.7					
10 „	.555	.596	80.0	79.0	1.0	78.6	.96	80.1	82.5	S	½ to 2					
11 „	.563	.604	79.6	78.9	0.7	78.6	.97	80.1	82.5	S b W	0.8	0.02				

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌐i cirri; ∿i cirro-cumuli; ∩i cumuli; ⌣i cirro-strati; ∩⌣i cumulo-strati; and ∿⌣i nimbi.	
8	R	Overcast with ∿⌣i and ∿i, the former moving E; drops of rain fell between 0h. 48m. & 0h. 52m.	Mean daily temperature of ground 20 and 60 inches below its surface 84°9 and 85°2. Daily fall of rain by Osler's Gauge 1·02in.
7	B	∿⌣i around hor.; ∿i scattered throughout.	
8	B	Overcast with ∿⌣i, moving NE; rain commenced at 2h. 39m.	
8	B	Overcast; lightning about zth. every minute; raining lightly.	
8	B	" " "	
8	C	Overcast; raining very lightly.	
8	C	" "	
8	R	" "	
8	C	Overcast; rain ceased at 8h. 30m.	
8	R	Overcast; no rain.	
8	R	Overcast with ∿⌣i, moving E.	
8	R	" "	
8	R	Overcast; rain commenced at full hour.	
8	B	Overcast; rain ceased at 1h. 14m.	
7	B	Densely clouded with ∿⌣i and ∿i, moving E.	
8	B	Overcast with ∿⌣i and ∿i, moving ESE.	
8	B	∿⌣i around hor.; ∿i scattered throughout.	
7	R	" "	
7	R	" "	
6	R	∿⌣i around hor.; ∿i and ⌐i scattered throughout.	
8	R	Overcast; rain commenced at 8h. 50m.	
8	R	Overcast with ∿⌣i, moving SE; rain ceased at 9h. 31m.	
8	R	Overcast; light rain from 10h. 0m. to 10h. 40m.	
8	R	Overcast; no rain.	
7	C	Densely clouded with ⌐i, ∿i, and ∿⌣i, the latter moving NNW; a few drops of rain at 0h. 40m.	Mean daily temperature of ground 20 and 60 inches below its surface 84°8 and 85°4. Daily fall of rain by Osler's Gauge 0·78in.
8	R	Overcast with ⌐i, ∿i, and ∿⌣i, the latter moving NNW.	
8	R	Overcast; light rain from 2h. 10m. to 2h. 35m.	
8	R	Overcast; rain commenced at 3h. 55m.	
8	R	Overcast with ∿⌣i, moving NE; raining lightly.	
8	L	Overcast; rain ceased at 5h. 35m.	
8	L	Overcast; rain commenced at 6h. 15m.	
8	L	Overcast; rain ceased at 7h. 45m.	
8	L	Overcast with ∿⌣i, moving E; rain commenced from 8h. 5m.	
8	C	Overcast; raining very lightly.	
8	C	Overcast with ∿⌣i, moving ENE; rain ceased at 10h. 45m.	
8	C	Overcast with ∿⌣i, moving NE; no rain.	
8	C	Overcast; light drops of rain at 12h. 42m.	
8	R	Overcast with ∿⌣i, moving E; no rain.	
8	R	Overcast with ∿⌣i, moving NE; a few drops of rain at full hour.	
8	R	Overcast with ∿⌣i, moving E; no rain.	
8	R	Overcast with ⌐i, ∿i, and ∿⌣i, the latter moving NE; light rain commenced at 4h. 55m.	
8	L	Overcast with ∿⌣i, moving E; raining lightly.	
8	L	" " "	
8	L	Overcast; rain ceased at 7h. 18m., but recommenced at 7h. 45m., which lasted 4m.	
8	L	Overcast; drizzling rain between 8h. 0m. and 8h. 24m.	
8	C	Overcast; no rain.	
8	C	Overcast with ∿⌣i, moving ENE; light rain commenced at 10h. 14m. and ceased at 10h. 41m.	Mean daily temperature of ground 20 and 60 inches below its surface 84°7 and 85°5. Daily fall of rain by Osler's Gauge 0·23in., height of Barometer at 4 A. M. was 29·491in., least in the month, and about 0·119in. less than the Normal Mean for that hour.
8	C	Overcast with ∿⌣i, moving ENE; no rain.	
8	C	Overcast with ∿⌣i, moving ENE.	
8	R	Overcast with ∿⌣i, moving N.	
8	R	" "	
8	R	Overcast with ∿⌣i, moving NNE.	
8	R	Overcast with ∿⌣i, moving E.	
8	L	Overcast with ∿⌣i, moving NE.	
8	L	" "	
8	L	Overcast with ∿⌣i, moving N.	
8	L	Overcast; drizzling rain at 8h. 7m., which ceased at 8h. 15m., but recommenced at 8h. 40m.	
8	C	Overcast; drizzling rain.	
8	C	Overcast with ∿⌣i, moving NE; drizzling rain.	
8	C	Overcast with ∿⌣i, moving NE; drizzling rain, ceased at 11h. 54m.	

Bombay Civil Time. 1860.	Standard Barometer.		Thermometers.			Deduced Dew-Point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in seconds during the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
July 3rd—Noon.	29.559	28.586	80°2	79°4	0°8	79°1	0.97	80°6	82°6	S	0.8	0·04				
1 p.m.	.535	.545	81.0	80.0	1.0	79.6	.96	81.0	82.7	„	0.3					
2 „	.521	.517	81.7	80.5	1.2	80.1	.95	81.7	82.8	S b E	0·4	0.01				
3 „	.514	.537	82.2	80.0	2.2	79.2	.91	81.9	82.9	S b W	0.3					
4 „	.498	.557	81.6	79.0	2.6	78.0	.89	81.6	82.9	„	0.2		+	4		Above 10m.
5 „	.494	.502	80.8	80.0	0.8	79.7	.97	81.1	82.9	„	0.2		+	4		0.15
6 „	.525	.580	80.5	78.8	1.7	78.2	.93	80.8	82.9	„	0.2		+	1		Above 10m.
7 „	.538	.594	80.2	78.7	1.5	78.1	.94	80.6	82.9	SW b S	0.3					
8 „	.538	.582	80.3	79.0	1.3	78.5	.95	80.6	82.7	S	0.1		+	1		Above 10m.
9 „	.552	.630	78.8	77.8	1.0	77.4	.96	79.9	82.6	SSW	0.1	0.15				
10 „	.568	.624	79.0	78.4	0.6	78.1	.97	79.9	82.6	S	0.3	0.02				
11 „	.559	.598	79.8	79.0	0.8	78.7	.97	80.1	82.6	SSW	0.2					
July 4th—Midnight	.545	.620	79.6	78.1	1.5	77.5	.94	80.0	82.7	S	0.2					
1 a. m.	.533	.605	79.0	78.0	1.0	77.6	.96	79.8	82.6	SSW	0.8					
2 „	.531	.603	79.0	78.0	1.0	77.6	.96	79.6	82.5	SW	0.2					
3 „	.522	.594	79·0	78.0	1.0	77.6	.96	79.6	82.5	SSW	0.0					
4 „	.526	.602	79.4	78.0	1.4	77.5	.94	79.7	82.5	SW b W	0.0					
5 „	.529	.601	79.0	78.0	1.0	77.6	.96	79.4	82.5	SW b S	0.1					
6 „	.550	.619	78.8	78.0	0.8	77.7	.97	79.3	82.6	S b E	0.1					
7 „	.558	.635	79.8	78.8	1.0	78.4	.96	80.0	82.7	SE	0.1	0.01				
8 „	.566	.549	82.8	81.1	1.7	80.5	.93	81.9	82.9	S b E	0.1					
9 „	.579	.544	84.8	82.0	2.8	81.0	.89	83.2	83·0	„	0.3					
10 „	.572	.539	85.0	82.0	3.0	81.0	.88	83.7	83.2	S	0.3					
11 „	.569	.541	86.3	82.2	4.1	80.8	.84	84.3	83.4	S b E	0.4					
Noon.	.570	.667	85.1	79.0	6.1	76.7	.77	84.0	83.3	S	0.7		None.	None.	None.	None.
1 p. m.	.548	.502	83.8	82.0	1.8	81.4	.93	83.0	83.5	„	0.3					
2 „	.535	.518	84.9	81.6	3.3	80.5	.87	84.0	83.5	„	0.3					
3 „	.517	.494	84.7	81.7	3.0	80.7	.88	84.0	83.5	S b E	0·2					
4 „	.512	.533	82.0	80.0	2.0	79.3	.92	82.7	83.6	„	0.1	0.02				
5 „	.503	.495	82.5	80.8	1.7	80.2	.93	82.6	83.5	S	0.1					
6 „	.523	.531	82.4	80.4	2.0	79.7	.92	82.2	83.5	S b E	0.1					
7 „	.529	.581	81.0	79.0	2.0	78.3	.92	81.6	83.5	„	0.1					
8 „	.558	.610	81.0	79.0	2.0	78.3	.92	81.5	83.4	„	0.1					
9 „	.568	.582	81.4	80.0	1.4	79.5	.94	81·5	83.3	S	0.2					
10 „	.580	.636	81.4	79.0	2.4	78.1	.90	81.6	83.2	SW	0.4					
11 „	.574	.684	78.8	77.0	1.8	76.3	.92	80.0	83.0	WSW	0.2	0.26				
July 5th—Midnight	.561	.618	78.4	78.2	0.2	78.1	.99	79.6	82.8	S b E	0.2	0.27	+	20	20	0.04
1 a. m.	.562	.576	80.2	79.7	0.5	79.5	.98	80.5	83.0	„	0.2					
2 „	.547	.590	80.2	79.0	1.2	78.6	.95	80.7	83.0	SE b E	0.2					
3 „	.539	.542	80.4	80.0	0.4	79.9	.98	80.5	83.0	S	0.3					
4 „	.547	.536	79.8	79.0	0.8	78.7	.97	80.4	83.0	SE b S	0·1					
5 „	.549	.586	79.6	79.0	0.6	78.8	.97	80.4	83.0	S b E	0.1					
6 „	.566	.595	80.4	79.4	1.0	79.0	.92	80.7	83.1	SSE	0·1					
7 „	.578	.573	81.2	80.4	0.8	80.1	.97	81.2	83.1	S b E	0.1					
8 „	.598	.589	81.6	80.6	1.0	80.2	.96	81.7	83.2	SE	0.2					
9 „	.606	.558	83.6	82.0	1.6	81.4	.93	82.7	83.3	S b E	0.1					
10 „	.606	.537	85.8	83.0	2.8	82.1	.89	84.2	83.5	„	0.3					
11 „	.613	.544	85.8	83.0	2.8	82.1	.89	84.2	83.6	„	0·3					
Noon.	.608	.565	85·8	82.4	3.4	81.3	.87	84.2	83.7	S	0.4					
1 p. m.	.592	.553	86·5	82.5	4.0	81.2	.85	84.9	83.9	S b W	0.4					
2 „	.586	.559	85.2	81.9	3.3	80.8	.87	84.7	84.0	SW	0.2					
3 „	.580	.573	84.2	81.2	3.0	80.2	.88	83.9	83.9	SSW	0.2					
4 „	.561	.557	83.6	81.0	2.6	80.1	.90	83.5	83.9	SW	0.1					
5 „	.569	.607	82.8	79.8	3.0	78.7	.88	83.0	83.9	SW b W	0·2					
6 „	.584	.643	81.6	79.0	2.6	78.0	.89	82.9	83.7	SW b S	0.1					
7 „	.597	.649	81.0	79.0	2.0	78.3	.92	82.5	83.7	SW	0·2					
8 „	.618	.670	81·0	79.0	2·0	78.3	.92	82.3	83.6	S b W	0.2					
9 „	.628	.709	80.2	78.1	2.1	77.3	.91	81.0	83.5	„	0.4					
10 „	.651	.732	79.8	78.0	1.8	77.3	.92	80.7	83.4	„	0.5					
11 „	.636	.689	80.4	78.6	1.8	78.2	.92	80.5	83.4	S b E	0.4					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ≀— cirro-strati; ∩— cumulo-strati; and ≀≀ nimbi.	
8	C	Overcast; light rain after 12h. 45m., which ceased at 12h. 50m.	
8	R	Overcast; drizzling rain between 1h. 20m. and 1h. 25m.	
8	R	Overcast with ≀≀, moving E; no rain.	
8	R	Overcast with ≀≀, moving NE; no rain.	
8	R	Overcast with ≀≀, moving ENE; drizzling rain from 4h. 19m. to 4h. 50m.	
8	L	Overcast with ≀≀, moving ENE; no rain.	
8	L	Overcast with ≀≀ and ≀, both moving ENE.	
8	L	" " "	
8	L	Overcast with ≀≀, moving NE; a passing shower of rain at 8h. 17m.; but light rain commenced at 8h. 21m.	
8	C	Overcast; rain ceased at 9h. 17m.	
8	C	Overcast; no rain.	
8	C	" "	
8	C	Overcast with ≀≀, moving NE.	Mean daily temperature of ground 20 and 60 inches below its surface 84°6 and 85°6. Daily fall of rain by Osler's Gauge 0·38in.
8	R	" "	
8	R	" "	
8	R	Overcast with ≀≀, moving E.	
8	R	" "	
8	B	Overcast with ≀≀, moving ENE; drizzling rain after 5h. 45m.	
8	B	Overcast with ≀≀, moving NE; rain ceased at 5h. 25m.	
8	B	Overcast; no rain.	
8	L	" "	
7	C	Densely clouded with ≀≀ and ≀, the former moving NE; rain at 9h. 36m. which lasted 2m.	
6	C	≀≀ and ≀ scattered throughout; no rain.	
6	C	" " "	
8	C	Overcast with ≀≀, moving NE; drizzling rain at full hour, which ceased at 12h. 32m.	
8	R	Overcast; no rain.	
8	R	" "	
8	R	Overcast; light rain between 3h. 34m. and 3h. 50m.	
8	R	Overcast; no rain.	
8	L	" "	
8	L	" "	
8	L	" "	
8	L	" "	
8	C	Overcast; drizzling rain at 9h. 18m., which lasted 2m.	
8	C	Overcast; drizzling rain after 10h. 6m.	
8	C	Overcast with ≀≀, moving NE; lightning and thunder in NE at 11h. 33m.; rain ceased at 11h. 38m.	
8	C	Overcast with ≀≀, moving NE.	Mean daily temperature of ground 20 and 60 inches below its surface 84°7 and 85°6. Daily fall of rain by Osler's Gauge 0·28in.
8	R	" "	
8	R	" "	
8	R	" "	
8	R	Overcast; drizzling rain from 4h. 0m., to 4h. 8m.	
8	L	Overcast; no rain.	
8	L	" "	
8	L	≀ in W, otherwise clouded with ≀≀ and ≀, the former moving N.	
8	L	Overcast with ≀≀, moving NE.	
6	C	≀≀ around hor.; ≀ scattered throughout.	
7	C	Densely clouded with ≀≀, moving NE; a shower of rain at 10h., 10m, which lasted 2m.	
6	C	≀≀ around hor.; ≀≀ scattered about.	
6	C	" "	
7	R	Densely clouded with ≀, ≀≀, and ≀≀, the latter moving NE.	
8	R	Overcast with ≀≀, moving NE; drops of rain commenced to fall after 2h. 29m.	
8	R	Overcast; rain ceased at 3h. 14m.	
7	R	Densely clouded with ≀≀ and ≀, the former moving NE.	
8	L	" " "	
8	L	" " "	
8	L	Overcast with ≀, ≀≀, and ≀≀, the latter moving NE.	
8	L	Overcast with ≀≀, moving NE.	
8	C	" "	
8	C	" "	
8	C	" "	

Bombay Civil Time. 1860.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 Inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volts 1.	Electrical Instruments. Readings of Straws of Volts 2.	Electrical Instruments. Interval of Time in seconds between the time of discharge and [illegible] after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
July 6th-Midnight	29.628	28.709	80°6	78°2	2°4	77°3	0.90	80°9	83°2	S	0.5					
1 a. m.	.610	.677	78.5	78.0	0.5	77.8	.93	79.7	83.2	SW	0·4	0.13				
2 „	.598	.665	78.5	78.0	0.5	77.8	.93	79.6	83.2	S b W	0·1	0.01				
3 „	.586	.657	78.9	78.0	0.9	77.6	.96	79.7	83.2	„	0.2					
4 „	.595	.637	79.3	78.8	0.5	78.6	.98	79.9	83.2	SW	0.2					
5 „	.596	.630	79.4	79.0	0.4	78.9	.98	79.9	83.2	„	0.1	0.02				
6 „	.627	.725	78·4	77.2	1.2	76.7	.95	79.6	83.1	WSW	0.4	0.07				
7 „	.652	.777	76.6	76.0	0.6	75.8	.97	78.1	82.9	SW	0.2	0.60	+	Out of Sc.	50	Instantly.
8 „	.658	.726	77.8	77.8	0.0	77.7	1.00	78.6	82.8	„	0·1	0.15				
9 „	.678	.751	78.0	77.7	0.3	77.6	0.99	79.7	82.7	WSW	0.0	0.02				
10 „	.691	.729	79.7	79.0	0.7	78.7	.97	80.1	82.7	S b E	0.0	0.03				
11 „	.681	.715	79.4	79.0	0.4	78.9	.98	79.8	82.7	SE b S	0.1	0.03				
Noon.	.678	.767	78.4	77.4	1.0	77.0	.96	79.4	82.7	S	0·5	0.29				
1 p. m.	.654	.719	78.4	78.0	0.4	77.8	.98	79.4	82.7	SSW	0.2	0.02				
2 „	.646	.679	79.3	79.0	0.3	78.9	.99	79·9	82.7	S	0·4	0.04				
3 „	.622	.663	80,0	79.0	1.0	78.6	.96	80.2	82.7	S b W	0·3					
4 „	.620	.667	80.5	79.0	1.5	78.4	.94	80.3	82.8	„	0·2					
5 „	.618	.651	80.0	79.2	0.8	78.9	.97	80.5	82.8	S b E	0·5					
6 „	.635	.674	79.8	79.0	0.8	78.7	.97	80.3	82.8	„	0·6					
7 „	.638	.667	79.8	79.0	0.8	78.7	.97	80.1	82.7	S	0.5					
8 „	.654	.695	80,0	79.0	1.0	78.6	.96	80.2	82.7	„	0.4					
9 „	.664	.667	80.4	80.0	0.4	79.9	.98	80.7	82.8	„	0.2					
10 „	.668	.749	79.8	78.0	1.8	77.3	.92	80.3	82.7	„	0.3					
11 „	.665	.697	79.2	79.0	0.2	78.9	.99	79.7	82.5	„	0.4	0.01				
July 7th-Midnight	.658	.657	80.0	80.0	0·0	80.0	1.00	80.3	82.5	S	0.3					
1 a. m.	.638	.679	80.0	79.0	1.0	78.6	0.96	80.0	82.5	S b W	0.4					
2 „	.624	.667	80.2	79.0	1.2	78.6	.95	80.1	82.6	„	0.3					
3 „	.620	.660	79.9	79.0	0.9	78.7	.96	80.0	82.7	„	0.2					
4 „	.622	.663	80.0	79.0	1.0	78.6	.96	80.2	82.7	„	0.1					
5 „	.622	.661	79.8	79.0	0.8	78.7	.97	80.1	82.7	„	0.3	0·01				
6 „	.643	.676	80.0	79.2	0.8	78.9	.97	80.3	82.7	SSW	0.3					
7 „	.570	.697	80.7	79.5	1.2	79.1	.95	80.5	82.8	„	0.3					
8 „	.684	.717	81.6	79.6	2.0	78·9	.92	81.2	82.9	S b W	0.2					
9 „	.691	.714	82.2	80.0	2.2	79.2	.91	81.7	82.9	„	0.1					
10 „	.697	.678	82.6	81.1	1.5	80.6	.94	82.0	83.0	„	0.1					
11 „	.684	.682	82.2	80.6	1.6	80.0	.93	81.9	83.0	SSW	0·1	0·05				
Noon.	.680	.663	82.8	81.1	1.7	80.5	.93	82.3	83.0	S	0.1	0·01				
1 p. m.	.671	.664	83.4	81.0	2.4	80.2	.90	83.0	83.2	SSW	0.4	0.01				
2 „	.657	.637	82.2	81.0	1.2	80.6	.95	82.0	83.3	„	0.3					
3 „	.644	.624	82.2	81.0	1.2	80.6	.95	82.0	83.2	„	0.1					
4 „	.641	.641	82.0	80.5	1.5	80.0	.94	82.0	83.0	S	0.1					
5 „	.653	.653	82.0	80.5	1.5	80.0	.94	82.0	83.3	„	0.1					
6 „	.661	.701	79.9	79.0	0.9	78.7	.96	80.6	83.1	SW	0·1		+	20	20	0.12
7 „	.671	.757	78.8	77.6	1.2	77.1	.95	79.9	83.0	„	0.2	0.16				
8 „	.683	.795	77.6	76.6	1.0	76.2	.96	79.0	82.9	WSW	0.2	0.31	+	14		0.25
9 „	.689	.752	78.2	78.0	0.2	77.9	.99	79.2	82.9	W b S	0.0	0.07	+	1		Above 10m.
10 „	.700	.753	78.8	78.4	0.4	78.2	.98	79.8	82.8	WSW	0.0	0.06				
11 „	.699	.796	77.6	77.0	0.6	76.7	.97	78.8	82.7	SW b W	0.0	0.16				
July 9th-Midnight	.717	.806	78.4	77.4	1.0	77.0	.96	79.0	82.0	SSW	0.0					
1 a. m.	.697	.749	79.1	78.5	0.6	78.3	.97	79.3	82.0	„	0.0					
2 „	.690	.756	79.2	78.2	1.0	77.8	.96	79.0	82.0	„	0.4					
3 „	.676	.748	79.0	78.0	1.0	77.6	.96	79.0	82.0	S b W	0.3					
4 „	.684	.785	78.0	77.0	1.0	76.6	.96	78.7	82.0	S b E	0.5					
5 „	.693	.794	78.0	77.0	1.0	76.6	.96	78.9	82.0	„	0.0	0.17	—	Out of Sc.	Out of Sc.	Instantly.
6 „	.716	.775	78.6	78.2	0.4	78.0	.98	79.0	82.0	S	0.6	0.13				
7 „	.735	.768	79.3	79.0	0.3	78.9	.99	79.1	82.0	„	0.4	0.16				
8 „	.744	.837	77.3	77.0	0.3	76.9	.99	78.3	82.0	SW b S	0·5	0.32				
9 „	.740	.863	77.2	76.2	1.0	75.8	.96	78.0	81.9	„	0·3	0.17				
10 „	.736	.810	77.7	77.6	0.1	77.5	1.00	78.1	81.8	SW	½ to 1	0·16				
11 „	.730	.844	77.4	76.5	0.9	76.1	0.96	78.0	81.7	„	½ to 2½	0.01				

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≈ cirri; ≈ cirro-cumuli; ≈ cumuli; ≈ cirro-strati; ≈ cumulo-strati; and ≈ nimbi.	
8	C	Overcast with ≈, moving NE; light rain at 0h. 7m., which ceased at 0h. 14m., but recommenced at 0h. 20m.	Mean daily temperature of ground 20 and 60 inches below its surface 84°6 and 85°7. Daily fall of rain by Osler's Gauge 1·37in.
8	R	Overcast; rain ceased at 1h. 45m.	
8	R	Overcast; no rain.	
8	R	" "	
8	R	Overcast; light rain from 4h. 15m. to 4h. 26m.	
8	L	Overcast; rain commenced after 5h. 52m.	
8	L	Overcast; raining.	
8	L	" "	
8	L	" "	
8	C	" "	
8	C	" "	
8	C	" "	
8	C	" "	
8	R	" "	
8	R	" "	
8	R	Overcast; rain ceased at 3h. 0m.	
8	R	Overcast; drizzling rain from 4h. 0m. to 4h. 15m.	
8	L	Overcast with ≈, moving N; drizzling rain after 5h. 36m.	
8	L	Overcast; rain ceased at 6h. 10m.	
8	L	Overcast; no rain.	
8	L	Overcast with ≈, moving NE.	
5	C	≈ scattered throughout, except about 2th.	
8	C	Overcast with ≈, moving NE; drizzling rain at full hour.	
8	C	Overcast; no rain.	
8	C	Overcast with ≈, moving NE.	Mean daily temperature of ground 20 and 60 inches below its surface 84°5 and 85°6. Daily fall of rain by Osler's Gauge 0·90in.
8	R	" "	
8	R	Overcast; passing shower of rain at 2h. 43m.	
8	R	Overcast; no rain.	
8	R	Overcast; a shower of rain at 4h. 28m., which lasted 2m.	
8	L	Overcast; no rain.	
8	L	" "	
8	L	Overcast with ≈ and ≈, both moving NE.	
8	L	" " "	
8	C	" " "	
8	C	Overcast; drizzling rain commenced at 10h. 34m.	
8	C	Overcast; rain ceased at 11h. 38m.	
8	C	Overcast; a passing shower of rain at 12h. 19m.	
8	R	Overcast; a few drops of rain at 1h. 15m.	
8	R	Overcast; no rain.	
8	R	" "	
8	R	" "	
8	B	Overcast; drizzling rain after 5h. 40m.; thunder in NW every minute.	
8	B	Overcast; raining lightly.	
8	B	Overcast; rain ceased at 7h. 3m., but recommenced at 7h. 35m.	
8	B	Overcast with ≈, moving E; raining.	
8	B	" " "	
8	B	" " "	
8	B	Overcast with ≈, moving ENE; raining.	
8	C	Overcast with ≈, moving ENE.	Mean daily temperature of ground 20 and 60 inches below its surface 84°3 and 85°6. Daily fall of rain by Osler's Gauge 2·52in.; maximum tension of Electricity by Henly's Apparatus 0.07 in.; at 8 A. M. the reading of Barometer was 29.744, greatest in the month, and about 0.084 in. greater than the Normal Mean.
8	R	" "	
8	R	" "	
8	R	Overcast; light drops of rain at 3h. 10m.	
8	R	Overcast; rain commenced at 4h. 30m.	
8	B	Overcast; raining.	
8	B	Overcast with ≈, moving NE; raining.	
8	B	" "	
8	B	Overcast; raining.	
8	C	" "	
8	C	" "	
8	C	" "	

Bombay Civil Time. 1860.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in seconds between the time of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
July 9th-Noon.	29.732	28.863	77°2	76°0	1°2	75°5	0.95	77°8	81°7	SW	½ to 1½	0.21				
1 p. m.	.708	.775	77.8	77.8	0.0	78.4	1.00	78.3	81.7	SSW	0.2	0.26				
2 „	.708	.837	77.0	76.0	1.0	75.6	0.96	78.0	81.8	W	0.2	0.15				
3 „	.682	.776	77.0	76.9	0.1	76.8	1.00	77.9	81.7	SW	0.1	0.36	—	Out of Sc.	25	Above 10 m.
4 „	.669	.783	78.4	76.8	1.6	76.1	0.93	79.0	81.7	S b W	0.1	0.01				
5 „	.686	.809	78.6	76.6	2.0	75.8	.92	78.9	81.7	SW	1.0	0.11				
6 „	.683	.786	77.4	76.8	0.6	76.5	.97	78.0	81.7	WSW	0·2	0.06				
7 „	.702	.820	77.0	76.3	0.7	76.0	.97	78.0	81.6	S	0.2	0.18				
8 „	.714	.815	78.0	77.0	1.0	76.6	.96	78.2	81.6	S b W	0.1	0.02				
9 „	.716	.810	77.4	77.0	0.4	76.8	.98	78.0	81.6	SW	0·0					
10 „	.721	.789	78.6	78.0	0.6	77.7	.97	79.6	81.6	S	0.2					
11 „	.709	.774	78.4	78.0	0.4	77.8	.98	79.5	81.6	SE b S	0·1					
July 10th-Midnight	.693	.790	77.6	77.0	0.6	76.7	0.97	79.0	81.6	S b W	0.2	0.01				
1 a. m.	.674	.765	77.1	77.0	0.1	76.9	1.00	78.0	81.5	SW b W	0·1	0.02				
2 „	.655	.728	78.2	77.6	0.6	77.6	0.97	78.5	81.5	S b W	0.1					
3 „	.647	.715	78.6	78.0	0.6	77.7	.97	78.9	81.5	„	0.2	0.03				
4 „	.645	.715	78.8	78.0	0.8	77.7	.97	79.0	81.5	SSW	0.1					
5 „	.659	.739	79.0	77.8	1.2	77.3	.95	79.1	81.5	„	0.8					
6 „	.675	.763	79.0	77.6	1.4	77.0	.94	79.1	81.6	„	0.5					
7 „	.602	.817	78.8	76.6	2.2	75.8	.91	78.9	81.7	SW	0.7	0.01				
8 „	.708	.782	79.2	78.0	1.2	77.5	.95	79.3	81.7	SW b W	0.8	0.06				
9 „	.724	.761	79.6	79.0	0.6	78.8	.97	79.7	81.6	WSW	0.5					
10 „	.726	.743	81.6	80.0	1.6	79.4	.93	80.8	81.8	SW b W	0·1					
11 „	.724	.735	81.8	80.2	1.6	79.6	.93	81.0	82.0	„	0·2		None.	None.	None.	None.
Noon.	.721	.732	81.8	80.2	1.6	79.6	.93	81.0	82.0	W	0.1					
1 p. m.	.710	.730	80.8	79.7	1.1	79.3	.95	80.9	82.2	SW b W	0.1	0.10				
2 „	.704	.732	82.6	80.0	2.6	79.1	.90	82.0	82.3	„	0·1					
3 „	.687	.690	82.3	80.5	1.8	79.9	.93	82.0	82.4	SSW	0.1					
4 „	.676	.687	81.8	80.2	1.6	79.6	.93	81.6	82.4	SW b S	0.1					
5 „	.6·8	.699	81.8	80.2	1.6	78.6	.93	81.5	82.4	S b W	0.1					
6 „	.698	.748	80.8	79.0	1.8	78.3	.93	80.9	82.4	S b E	0.1					
7 „	.715	.767	81.0	79.0	2.0	78.3	.92	81.1	82.5	„	0.2					
8 „	.715	.771	79.5	78.5	1.0	78.1	.96	80.1	82.4	SSE	0.1					
9 „	.715	.752	79.6	79.0	0.6	78.8	.97	80.1	82.3	„	0.1					
10 „	.724	.758	79.4	79.0	0.4	78.9	.98	80.0	82.2	SW b S	0.0					
11 „	.714	.793	79.6	78.0	1.6	77.4	.93	80.0	82.2	„	0.0	0.01				
July 11th-Midnight	.700	.737	79·6	79.0	0.6	78.8	.97	80.0	82.1	SW	0.0					
1 a. m.	.680	.716	79.5	79.0	0.5	78.8	.93	79.9	82.2	SW b S	0.0					
2 „	.664	.709	79.6	78.8	0.8	78.5	.97	80.0	82.3	SW	0.0					
3 „	.658	.711	79.6	78.6	1.0	78.2	.96	80.0	82.3	„	0.2					
4 „	.658	.697	79.8	79.0	0.8	78.7	.97	80.0	82.3	„	0.2					
5 „	.674	.713	79.8	79.0	0.8	78.7	.97	80.0	82.3	„	0.1					
6 „	.688	.727	79.8	79.0	0.8	78.7	.97	80.0	82.3	„	0.1					
7 „	.710	.762	79.5	78.6	0.9	78.3	.96	79.9	82.3	WSW	0·1	0.01				
8 „	.714	.703	83.0	81.0	2.0	80.3	.92	81.9	82.4	„	0.1					
9 „	.720	.684	84.1	81.6	2.5	81.1	.90	83.5	82.5	„	0.1					
10 „	.718	.785	84.3	79.5	4.8	77.8	.81	83.2	82.5	„	0.6					
11 „	723	.824	81.6	78.0	3.6	7.66	.86	81.2	82.5	SW b W	0.1		None.	None.	None.	None.
Noon.	.710	.777	80.0	78.4	1.6	77.8	.93	80.0	82.3	W b S	0.0	0.09				
1 p. m.	.689	.684	83.5	81.0	2.5	80.1	.90	82.1	82.6	SW b W	0.1					
2 „	.672	.609	86.4	83.0	3.4	81.9	.87	83.8	82.9	WSW	0.3					
3 „	.649	.634	85.8	81.8	4.0	80.4	.85	84.0	83.0	„	0.4					
4 „	.634	.659	86.3	81.0	5.3	79.2	.80	84.0	83.1	„	0·1					
5 „	.650	.674	84.6	80.6	4.0	79.2	.84	83.3	83.1	„	0.1					
6 „	.657	.677	83.5	80.4	3.1	79.3	.88	82.9	83.0	„	0.2					
7 „	.674	.698	82.3	80.0	2.3	79.2	.91	82.1	83.0	W b S	0.2					
8 „	.681	.702	82.0	80.0	2.0	79.3	.92	81.8	83.0	„	0.1					
9 „	.685	.732	81.4	79.3	2.1	78.4	.91	81.5	83.0	„	0·2					
10 „	.693	.747	81.2	79.0	2.2	78.2	.91	81.3	82.9	„	0.1					
11 „	.682	.734	81.0	79.0	2.0	78.3	.92	81.0	82.9	SW b W	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌇i cirri; ⌇⌇i cirro-cumuli; ⌒i cumuli; ⌣i cirro-strati; ⌒⌣i cumulo-strati; and ⌇⌣i nimbi.	
8	C	Overcast; raining.	
8	R	" "	
8	R	" "	
8	R	Overcast; rain ceased at 3h. 10m., but it recommenced at 3h. 55m., and lasted 5m.	
8	R	Overcast; no rain.	
8	L	Overcast with ⌇⌣i, moving ENE; raining moderately from 5h. 0m. to 5h. 10m.	
8	L	Overcast with ⌇⌣i, moving E; light rain between 6h. 25m. and 6h. 40m.	
8	L	Overcast with ⌇⌣i, moving NE; a shower of rain from 7h. 54m. to 7h. 58m.	
8	L	Overcast; drizzling rain commenced at 8h. 24m.	
8	C	Overcast; drizzling rain.	
8	C	Overcast; rain ceased at 10h. 40m.	
8	C	Overcast; drizzling rain at 11h. 43m., which lasted 2m.	
8	C	Overcast with ⌇⌣i, moving NE; drizzling rain after 0h. 19m.	Mean daily temperature of ground 20 and 60 inches below its surface 84°0 and 85°7. Daily fall of rain by Osler's Gauge 0·20in.
8	R	Overcast; rain ceased at 1h. 5m.; occasional lightning in E hor.	
8	R	Overcast; light rain commenced at 2h. 30m.	
8	R	Overcast; rain ceased at 3h. 5m.	
8	R	Overcast; no rain.	
8	L	" "	
8	L	Overcast; light rain commenced at 6h. 56m.	
8	L	Overcast with ⌇⌣i, moving E; rain ceased at 7h. 12m., but recommenced at 7h. 22m., which lasted 23m.	
8	L	Overcast; light rain at 8h. 40m., which lasted 4m.	
8	C	Overcast; no rain.	
8	C	" "	
8	C	Overcast with ⌇⌣i, moving ENE.	
8	C	Overcast; light rain at 12h. 45m., which lasted 15m.	
8	R	Overcast; no rain.	
8	R	Overcast with ⌇⌣i, moving E.	
8	R	" "	
8	R	Overcast with ⌇⌣i, moving NE.	
8	B	Overcast with ⌇⌣i, moving ENE.	
8	B	Overcast with ⌇⌣i and ⌇⌣i, both moving NE.	
8	B	Overcast; drizzling rain from 7h. 30m. to 7h. 35m.	
7	B	Nearly overcast with ⌇⌣i; no rain.	
7	C	" "	
7	C	Nearly overcast; light rain commenced at 10h. 54m.	
7	C	Nearly overcast; rain ceased at 11h. 1m.	
7	C	⌇⌣i and ⌇⌣i scattered throughout, both moving NE; a shower of rain at 0h. 20m., which lasted 3m.	Mean daily temperature of ground 20 and 60 inches below its surface 83°9 and 85°6 Daily fall of rain by Osler's Gauge 0·13in.; Temperature of Evaporation at 2 P. M. was 83°0, greatest during the month, and about 2°8 greater than the Normal Mean.
7	R	⌇⌣i and ⌇⌣i scattered throughout, both moving ENE.	
6	R	⌇⌣i, ⌇⌣i, and ⌇i scattered throughout, the former moving NE.	
5	R	⌇i in S; ⌇⌣i and ⌇⌣i scattered about, moving NE.	
4	R	⌇⌣i and ⌇⌣i scattered about, moving ENE.	
8	B	Overcast with ⌇⌣i, ⌇⌣i, and ⌇i, the former moving ENE; a few drops of rain at 5h. 40m.	
7	B	⌇⌣i around hor.; ⌇i and ⌇⌣i scattered throughout; a shower of rain at 6h. 40m., which lasted 4m.	
7	B	Densely clouded with ⌇⌣i, ⌇⌣i, and ⌇i, the former moving ENE.	
7	B	Clouded as before, but the motion of ⌇⌣i was E.	
6	C	⌇⌣i in E; ⌇i and ⌇⌣i scattered throughout.	
7	C	Densely clouded with ⌇⌣i and ⌇⌣i, the former moving ESE; a few drops of rain at 10h. 39m.	
8	C	Overcast with ⌇⌣i and ⌇⌣i, the former moving ESE; light rain from 11h. 7m. to 11h. 37m.	
8	C	Overcast; no rain.	
7	R	Densely clouded with ⌇⌣i & ⌇⌣i, the former moving E; drizzling rain at 1h. 5m., which lasted 5m.	
3	R	⌇⌣i around hor; ⌇⌣i and ⌇i scattered here and there.	
6	R	⌇⌣i in W; ⌇⌣i scattered about, moving ENE.	
3	R	⌇⌣i around hor.; ⌇i scattered about.	
6	B	⌇⌣i and ⌇⌣i scattered about, both moving E.	
6	B	" " "	
6	B	⌇⌣i, ⌇⌣i, and ⌇i scattered throughout, the former moving E.	
6	B	" " "	
5	C	⌇⌣i and ⌇⌣i scattered about, the former moving ENE.	
4	C	" " "	
3	C	" " "	

Bombay Civil Time. 1860.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in seconds between the above degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
JULY 12TH-Midnight	29.665	28.713	80°6	79°0	1°6	78°4	0.93	80°9	82°9	W b S	0.1					
1 a. m.	.655	.703	80.6	79·0	1.6	78.4	.93	80.7	82.9	„	0·2					
2 „	.646	.702	80.6	78.8	1.8	78.1	.93	80.6	82.9	„	0.4					
3 „	.644	.710	80.4	78.5	1.9	77.8	.92	80.5	82.9	„	0.4					
4 „	.638	.693	80.5	78.8	1.7	78.2	.93	80.7	82·9	„	0.3					
5 „	.644	.694	80.8	79.0	1.8	78.3	.93	80.5	82.9	„	0·2					
6 „	.670	·779	79.5	77.2	2.3	76.3	.90	79.9	82.8	„	1.2	0.01				
7 „	.680	.699	81.1	79.8	1.3	79.4	.95	80.9	82.7	„	0·1					
8 „	.695	.714	83.4	80.4	3.0	79.4	.88	82.1	82.9	WSW	0.3					
9 „	.692	.759	82.4	79.0	3.4	77.8	.86	81.6	82.9	SW b W	0·1					
10 „	.703	.676	85.2	81.9	3.3	80·8	.87	83.1	83.1	SW b S	0.1					
11 „	·693	.678	86.6	82.0	4.6	80.4	.83	84.0	83·3	SW	0·0		None.	None.	None.	None.
Noon.	.690	.647	87.8	82.9	4.9	81.3	.82	84.9	83.4	WSW	0·0					
1 p. m.	.667	.701	87.5	81.1	6.4	78.9	.77	85.0	83.5	SW b W	0·1					
2 „	.655	.655	88.0	82·0	6.0	80.0	.78	85.5	83.7	SW	0.2					
3 „	.633	.602	88.4	82.8	5.6	80.9	.79	85.9	83.8	„	0·2					
4 „	.621	.632	86.6	81.4	5.2	79.6	.80	85.0	83.9	WSW	0.4					
5 „	.629	.671	85.5	80.4	5.1	78.6	.81	84.1	83.7	„	0·2					
6 „	.640	.683	84.0	80.0	4.0	78.6	.84	83·0	83.7	SW b W	0.1					
7 „	.654	.707	83.0	79.5	3.5	78.2	.86	82.8	83.6	SW	0.1					
8 „	.673	.720	82.5	79.5	3.0	78.4	.88	82.3	83.6	SW b S	0.2					
9 „	.687	.726	81.3	79.5	2.3	78.7	.90	82.0	83.5	SW	0.3					
10 „	·693	.752	81.6	79.0	2.6	78·0	.89	81.7	83.5	„	0.0					
11 „	.685	.742	81·4	79.0	2.4	78.1	.90	81.4	83.4	„	0.2					
JULY 13TH-Midnight	.671	.726	81.2	79.0	2.2	78.2	.91	81.2	83.3	SW	0.2					
1 a. m.	.654	.732	81.0	78.4	2.6	77.4	.89	81.1	83.3	„	0.5					
2 „	.645	.697	81.0	79.0	2.0	78.3	.92	81.0	83.4	„	0.3					
3 „	.645	.709	81.0	78.7	2.3	77.9	.91	81.0	83.4	SW b W	0.6					
4 „	.645	.715	80.8	78.5	2.3	77.7	.91	81.0	83.3	„	0.5					
5 „	.653	.721	81.0	78.6	2.4	77.7	.91	81·0	83.3	„	0.8					
6 „	.676	.731	81.3	79.0	2.3	78.2	.91	81.5	83.3	WSW	0.3					
7 „	.687	.736	82.7	79.5	3.2	78.4	.87	81·9	83.4	„	0.4					
8 „	.702	.745	84.0	80.0	4.0	78.6	.84	82.9	83.5	„	0.3					
9 „	.708	.728	85.8	81·0	4.8	79.3	.82	84.0	83.6	„	0.1					
10 „	.711	.726	86.2	81.2	5.0	79.5	.81	84.5	83·6	SW b W	0.1					
11 „	.704	.713	87·2	81.6	5.6	79.7	.79	85.0	83.7	WSW	0.2					
Noon.	.697	.692	88.4	82.2	6.2	80.1	.77	85.7	83.9	„	0.2					
1 p. m.	.680	.682	88.2	82.0	6.2	79.9	.77	86.0	84.1	W	0.4					
2 „	.662	.658	88.5	82.2	6.3	80.1	.77	86.2	84.2	„	0.6					
3 „	·644	.652	88.7	82.0	6.7	79.7	.76	86.0	84.3	W b S	0·5					
4 „	.637	.643	88.5	82·0	6.5	79.8	.76	86.0	84.4	„	0.4					
5 „	.649	.657	85.6	81.2	4.4	79.7	.83	84.9	84.4	„	0.3					
6 „	.656	.706	84.6	80.0	4.6	78.3	.82	84·0	84.3	„	0.2					
7 „	.670	.725	83.6	79.6	4.0	78.2	.84	83.3	84.2	„	0.2					
8 „	.683	.757	83.0	79.0	4.0	77.5	.84	83.0	84.1	„	0.3					
9 „	.699	.771	82.8	79.0	3.8	77.6	.85	82.8	84·0	„	0.2					
10 „	.695	.764	42.4	79·0	3.4	77.7	.86	82.3	84.0	WSW	0.3					
11 „	.686	.756	82.0	78.8	3.2	77.6	.87	82.0	83.9	W b S	0.4					
JULY 14TH-Midnight	.682	.753	82.0	78.8	3.2	77.6	.87	81.9	83.9	W b S	0.3					
1 a. m.	.657	.720	82.0	79.0	3.0	77.9	.88	82.0	83.9	„	0.4					
2 „	.642	.703	81.8	79.0	2.8	78.0	.89	81.9	83.9	„	0·5					
3 „	.635	.675	81.8	79.4	2.4	78.7	.90	81.8	83.8	„	0.4					
4 „	.633	.693	81.7	79.0	2.7	78.0	.89	81.8	83.8	„	0.8					
5 „	.638	.699	81.8	79.0	2.8	78.0	·89	81.6	83.7	W	0.6					
6 „	.660	.721	81.8	79.0	2.8	78.0	.89	81.6	83.7	„	0.5					
7 „	.678	.731	82.6	79.4	3.2	78.2	.87	82.0	83.7	W b N	0·4					
8 „	.686	.718	83.0	80.0	3.0	78.9	.88	82.3	83.7	„	0.4					
9 „	.686	.697	85.0	81.0	4.0	79.6	.84	82.9	83.8	„	0·4					
10 „	.689	.715	85.6	80.8	4.8	79°1	.82	83.8	83.9	W	0.4					
11 „	.682	.732	87.0	80.6	6.4	78.3	.76	85.0	84.1	„	0.4					

A few drops of rain.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌇i cirri; ⌒i cirro-cumuli; ⌒i cumuli; ⌣i cirro-strati; ⌒i cumulo-strati; and ⌒i nimbi.	
3	C	⌒i and ⌒i scattered about hor., the former moving ENE.	Mean daily temperature of ground 20 and 60 inches below its surface 83°8 and 85°5. Daily fall of rain by Osler's Gauge 0.01in.
3	R	" " "	
7	R	⌒i and ⌒i scattered about, both moving NE.	
3	R	⌒i and ⌒i around hor.; ⌇i scattered here and there.	
1	R	⌇i above hor.; ⌒i scattered above S hor.	
6	B	⌒i and ⌒i scattered about, the former moving E.	
8	B	Overcast with ⌒i, moving E; light rain from 6h. 0m. to 6h. 8m.	
7	B	⌒i around hor.; ⌒i scattered throughout.	
7	B	⌒i and ⌒i scattered about, the former moving E.	
8	C	" " "	
7	C	" " "	
4	C	⌒i and ⌒i scattered about hor., moving E.	
4	C	⌒i around hor.; ⌇i scattered throughout.	
7	R	" "	
7	R	⌒i and ⌇i scattered throughout, the former moving E.	
7	R	⌒i around hor.; ⌇i scattered throughout.	
6	R	" "	
5	B	" "	
5	B	⌒i, ⌒i, and ⌇i scattered about, the former moving E.	
5	B	⌒i around hor.; ⌇i and ⌒i scattered about.	
3	B	⌒i and ⌒i scattered about, both moving E; light drizzling rain at 8h. 20m., which lasted 15m.	
5	C	⌒i and ⌒i scattered about, the former moving E.	
5	C	⌒i scattered throughout, moving E.	
6	C	" "	
4	C	⌒i scattered about hor., moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 83°9 and 85°6. The temperature of External and Free Air at 3 P. M. was 88°7, greatest in the month, and 5°5 greater than the Normal Mean.
4	R	⌒i and ⌇i scattered about, the former moving ENE.	
4	R	" " "	
3	R	⌒i scattered about hor., moving NE.	
4	R	⌒i around hor.; ⌒i scattered about, moving NE.	
5	B	⌒i and ⌒i scattered about, the former moving E.	
3	B	⌒i around hor.; ⌒i scattered about, moving E.	
3	B	⌒i scattered about, moving E.	
1	B	⌒i scattered around hor.	
5	C	⌒i and ⌒i scattered about, the former moving E.	
5	C	⌒i and ⌒i scattered about; a few drops of rain at 10h. 35m.	
4	C	⌒i and ⌒i scattered about; no rain.	
5	C	" "	
6	R	A few ⌇i above NW hor.; ⌒i and ⌒i scattered about, the former moving E.	
7	R	⌒i around hor.; ⌇i and ⌒i scattered about.	
5	R	⌒i around hor.; ⌇i scattered about.	
6	R	⌒i and ⌇i scattered about, the former moving E.	
6	B	⌒i, ⌒i, and ⌇i scattered about, the former moving E.	
6	B	" " "	
6	B	" " "	
6	B	" " "	
7	C	⌒i and ⌒i scattered throughout, the former moving E.	
7	C	" " "	
7	C	" " "	
7	C	Densely clouded with ⌒i and ⌒i, the former moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 84°0 and 85°5. Daily fall of rain by Osler's Gauge 0·16in.
7	R	Clouded as at midnight.	
7	R	" "	
7	R	" "	
7	R	" "	
7	B	" "	
7	B	" "	
7	B	" "	
7	B	" "	
7	C	" "	
7	C	" "	
8	C	Overcast with ⌒i and ⌒i, the former moving E.	

Bombay Civil Time. 1860.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
July 14th-Noon.	29.668	28.661	87°4	82°0	5°4	80°2	0.80	85°2	84·2	W	0.3					
1 p. m.	.644	.681	87.4	81.0	6.4	78.8	.76	85.8	84.5	WNW	0.5					
2 „	.630	.651	85.9	81.0	4.9	79.3	.81	85.0	84.4	W	0.6					
3 „	.609	.622	84.0	80.7	3.3	79.5	.87	83.8	84.4	„	0.4					
4 „	.596	.602	84.5	81.0	3.5	79.8	.86	84.0	84.4	„	0.5					
5 „	.604	.610	83.8	80.8	3.0	79.8	.88	83.2	84.3	„	0.5		None.	None.	None.	None.
6 „	.619	.647	83.4	80.2	3.2	79.1	.87	83.0	84.2	W b N	0.4					
7 „	.638	.660	81.0	79.7	1.3	79.3	.95	81.5	84.0	„	1.2	0.16				
8 „	.658	.719	81.8	79.0	2.8	78.0	.89	82.1	84.0	W	0·7					
9 „	.672	.732	81.7	79.0	2.7	78.0	.89	82.0	84.0	W b S	0·4					
10 „	.676	.734	81.5	79.0	2.5	78.1	.90	81.9	83.9	W	0.2					
11 „	.670	.701	81.8	79.7	2.1	79.6	.91	82.1	83.9	W b S	0.2					
July 16th-Midnight	.620	.674	80.4	78.8	1.6	78.2	.93	80.9	83.5	SSW	0.2					
1 a. m.	.600	.643	80.2	79·0	1.2	78.6	.95	81.0	83.5	„	0·5	0·01				
2 „	.596	.680	78.6	77.6	1.0	77.2	.96	79.8	83.5	W	0.2	0.12				
3 „	.579	.689	77·0	76.5	0.5	76.3	.98	78.5	83.3	„	0.1	1.91				
4 „	.580	·635	78.2	78.2	0.0	78.2	1.00	78.0	83.3	N	0.1	0.13				
5 „	.584	.658	79.2	78.0	1.2	77.5	0.95	79.8	83·3	SW b S	0.1	0 03				
6 „	.603	.667	79.4	78.3	1.1	77.9	.95	80.0	83.3	S b W	0.2	0.06				
7 „	.625	·687	79.6	78·4	1.2	77·9	.95	80.0	83.2	SSW	0.2					
8 „	.630	.675	80.4	79.0	1.4	78.5	.94	80.5	83.3	S	0.2					
9 „	.634	.688	81.2	79.0	2.2	78.2	.91	81.0	83.2	SSW	0.1					
10 „	.630	.713	80.0	78.0	2.0	77.2	.92	80.4	83.2	„	0·1					
11 „	.626	.734	79·4	77.2	2.2	76.4	.91	80.0	83.1	SW b W	0.4	0.03				
Noon.	.614	.661	80.5	79.0	1.5	78·4	.94	80.7	83.0	WSW	0.1	0.06	None.	None.	None.	None.
1 p. m.	.604	.686	79.2	77.8	1.4	77.3	.94	80.2	83.2	SW b S	0·1	0.05				
2 „	·588	.594	80.6	80.0	0.6	79.8	.98	80.8	83·1	SSW	0.2					
3 „	.572	.584	81.9	80·2	1.7	79.6	.93	81·7	83.2	„	0.3					
4 „	.567	.658	80.7	78.0	2.7	76.9	.89	81.0	83.3	„	0.1	0·02				
5 „	.568	.624	81.4	79.0	2.4	78.1	.90	81.2	83.2	„	0.2					
6 „	.584	.640	81.4	79.0	2 4	78.1	.90	81.2	83.2	„	0.1					
7 „	·608	.660	81·0	79·0	2.0	78.3	.92	81.0	83.1	SW b S	0·2					
8 „	.612	.664	81.0	79.0	2.0	78.3	.92	81.0	83.1	SSW	0.2					
9 „	.618	.670	81.0	79.0	2.0	78.3	.92	81.0	83.1	„	0.3					
10 „	.630	.682	81.0	79.0	2.0	78.3	.92	81.0	83.0	„	0.3					
11 „	.628	·634	81·0	78.9	2.1	78.1	.91	80.9	83.0	„	0·4					
July 17th-Midnight	.608	.660	81.0	79.0	2.0	78.3	.92	81.0	82.9	SSW	0.7					
1 a. m.	.592	.644	81.0	79.0	2.0	78.3	.92	81.0	83·2	„	0.5					
2 „	.572	.624	81.0	79.0	2.0	78.3	.92	81.0	83 2	„	0.4					
3 „	.558	.616	80.8	78.8	2.0	78.1	.92	80.9	83.2	„	0·5					
4 „	.566	.659	80.2	77.8	2.4	76.9	·90	80.5	83·0	„	0.8					
5 „	.578	.619	80.0	79.0	1.0	78.6	.96	80.3	82.9	S b W	0.1					
6 „	.606	.710	80.0	77.5	2·5	76.5	·90	80.2	82.9	SSW	¼ to ¼					
7 „	.622	.763	78.8	76.2	2.6	75.2	·89	79.2	82.9	„	¼ to 2					
8 „	.634	.719	81·3	78.3	3.0	77.2	.88	80.6	83.0	SW b S	0.1					
9 „	.644	.673	82.7	80.0	2.7	79.0	·89	81.8	83.1	SSW	0.1					
10 „	.654	.686	83.0	80.0	3.0	78.9	.88	82.0	83.2	„	0.1					
11 „	.655	.635	82.8	80.0	2·8	79.0	.89	82.0	83 2	„	0.3		None.	None.	None.	None.
Noon.	.648	.699	83·2	79.6	3.6	78.3	.86	82.7	83.1	WSW	0.2					
1 p. m.	.631	.713	81.9	78.5	3.4	77.3	.86	82.0	83.3	„	0.3					
2 „	.610	.733	80.0	77.0	3.0	75.8	.88	80.5	83.2	„	0.1					
3 „	.594	.663	82.5	79.0	3.5	77.7	.86	81.9	83.2	SW b S	0.1					
4 „	.573	.686	82.7	78.0	4.7	76.2	.82	82.0	83.4	SW	0.2					
5 „	.584	.681	82.0	78.2	3.8	76.7	.85	81.7	83.2	S b W	0.1					
6 „	.583	.620	82.0	79.6	2.4	78.8	.90	81.7	83.2	SSW	0.1					
7 „	.595	.693	81.4	78.0	3.4	76.7	.86	81.4	83.1	„	0.5					
8 „	.610	.641	80.6	79.4	1.2	79.0	.95	81.0	83.0	SW b S	0.1	0.06				
9 „	.632	.663	81.0	79.5	1.5	79.0	.94	81.1	83.0	„	0.1					
10 „	.646	.671	81.2	79·7	1.5	79.2	.94	81.1	83.0	SSW	0.1					
11 „	.640	.665	81.2	79.7	1·5	79.2	.94	81.0	83.0	„	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are : ≀ cirri ; ≀≀ cirro-cumuli ; ∩ cumuli ; ≀∩ cirro-strati ; ∩∩ cumulo-strati ; and ≀∩ nimbi.	
8	C	Overcast with ≀∩ and ≀≀, the former moving E.	
8	R	" " "	
8	R	" " "	
8	R	" " "	
8	R	Overcast ; a few drops of rain at 4h. 56m.	
8	C	Overcast ; a few drops of rain at 5h. 5m.	
8	C	Overcast ; light rain at 6h. 32m., which lasted 8m.	
8	C	Overcast with ≀∩, moving E.	
8	C	" "	
8	C	" "	
8	C	" "	
8	C	" "	
8	C	Overcast with ≀∩, moving E ; drizzling rain commenced at 0h. 43m.	Mean daily temperature of ground 20 and 60 inches below its surface 84°2 and 85°5. Daily fall of rain by Osler's Gauge 2·43in.
8	R	Overcast ; rain ceased at 1h. 20m. ; passing showers of rain now and then.	
8	R	Overcast ; raining heavily.	
8	R	" "	
8	R	Overcast ; rain ceased at 4h. 10m., but recommenced at 4h. 19m.	
8	B	Overcast with ≀∩, moving ENE ; rain ceased at 5h. 25m., but recommenced at 5h. 55m.	
8	B	Overcast ; rain ceased at 6h. 3m.	
7	B	Nearly overcast ; no rain.	
7	B	" "	
6	C	Overcast with ≀∩, moving ENE.	
8	C	Overcast ; drizzling rain at 10h. 4m., which ceased at 10h. 11m., but recommenced at 10h. 38m.	
8	C	Overcast with ≀∩, moving NE ; passing showers of rain.	
8	C	Overcast ; passing showers of rain.	
8	R	Overcast ; rain ceased at 1h. 14m.	
8	R	Overcast ; no rain.	
8	R	Overcast ; a passing shower of rain at 3h. 53m.	
8	R	Overcast ; a few drops of rain at 4h. 3m.	
8	B	≀∩ around hor. ; ≀≀ scattered throughout.	
8	B	Overcast with ≀∩ and ≀≀, the former moving ENE.	
8	B	Overcast ; drops of rain at 7h. 38m.	
6	B	≀∩ and ≀≀ scattered throughout.	
8	C	Overcast with ≀∩ and ≀≀, the former moving E.	
7	C	Densely clouded with ≀∩ and ≀≀, the former moving E.	
8	C	" " "	
8	C	Overcast with ≀∩ and ≀≀, the former moving E ; a few stars dimly visible.	Mean daily temperature of ground 20 and 60 inches below its surface 84°2 and 85°5. Daily fall of rain by Osler's Gauge 0·06in.
4	R	≀∩ and ≀≀ scattered about, the former moving E.	
6	R	≀∩ and ≀≀ scattered about, the former moving NE.	
4	R	" " "	
7	R	Densely clouded with ≀∩ and ≀≀, the former moving NE.	
8	B	Overcast with ≀∩ and ≀≀ ; drizzling rain commenced at 5h. 7m., which ceased at 5h. 10m.	
8	B	Overcast with ≀, ≀≀, and ≀∩, the latter moving NE.	
8	B	" " "	
8	B	≀∩ around hor. ; ≀≀ scattered throughout.	
8	C	" " "	
8	C	" " "	
8	C	Overcast with ≀∩ and ≀≀, both moving ENE.	
8	C	" " "	
8	R	" " "	
8	R	" " "	
8	R	" " "	
8	R	" " "	
8	B	" " "	
8	B	Overcast with ≀∩, moving NE.	
8	B	Overcast ; light rain at 7h. 3m., which lasted 4m.	
8	B	Overcast ; no rain.	
8	C	Overcast with ≀∩, moving NE.	
8	C	" "	
8	C	" "	

Bombay Civil Time. 1860.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering some degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
July 18th-Midnight	29.626	28.657	81°0	79°5	1°5	79°0	0.94	81°0	83°0	SW b S	0.2					
1 a. m.	.614	.666	81·0	79.0	2.0	78.3	.92	81.0	83.1	SW	0.2					
2 „	.600	.648	80·6	79.0	1.6	78.4	.93	80.8	83.1	SW b S	0.5					
3 „	.598	.646	80.6	79.0	1.6	78.4	.93	80.7	83.0	SW	0.2					
4 „	.600	.647	80.5	79.0	1.5	78.4	.94	80.7	83.0	„	0.1					
5 „	.606	.670	80.6	78.6	2.0	77.9	.92	80.7	83.0	SSW	0.8					
6 „	.641	.749	79.4	77.2	2.2	76.4	.91	79.9	82.9	WSW	0 to 1⅔					
7 „	.676	.799	78.6	76.6	2.0	75.8	.92	79.1	82.9	„	½ to 2½					
8 „	.687	.805	77.4	76.4	1.0	76.0	.96	78.5	82.7	„	0.3	0.13				
9 „	.689	.803	78.4	76.8	1.6	76.1	.93	79.0	82.5	W b N	0.1	0.03				
10 „	.687	.768	79.8	78.0	1.8	77.3	.92	79.9	82.6	WSW	0.1					
11 „	.687	.707	82.3	80.1	2.2	79.3	.91	81.2	82.8	SW b S	0.1					
Noon.	.672	.690	83.4	80.4	3.0	79.4	.88	82.5	83.0	SSE	0.0		None.	None.	None.	None.
1 p. m.	.642	.591	84.2	82.2	2.0	81.5	.92	83.0	83.2	SW	0.1					
2 „	.626	.611	85.4	81.7	3.7	80.4	.86	84.0	83.3	„	0.3					
3 „	.615	.644	85.4	80.7	4.7	79.0	.82	84.0	83.5	„	0.4					
4 „	.603	.624	84.7	80.7	4.0	79.3	.84	83.8	83.5	„	0.1					
5 „	.616	.692	83.2	79.0	4.2	77.5	.83	82.9	83.4	WSW	0.7					
6 „	.621	.682	81.8	79.0	2.8	78.0	.89	81.8	83.3	W	1.5					
7 „	.634	.700	79.2	78.2	1.0	77.8	.96	80.1	83.1	SSW	0.0	0.12				
8 „	.648	.695	80.5	79.0	1.5	78.4	.94	80.7	83.1	SW	0.1					
9 „	.657	.709	81.0	79.0	2.0	78.3	.92	81.0	83.0	SW b S	0.1					
10 „	.669	.738	80.2	78.4	1.8	77.7	.92	80.1	83.0	SSW	0.1					
11 „	.664	.767	78.2	77.0	1.2	76.5	.95	79.6	82.9		½ to 2½	0.04				
July 19th-Midnight	.654	.743	78.4	77.4	1.0	77.0	.96	79.6	82.8	W b S	0.0	0.34				
1 a. m.	.642	.674	79.2	79.0	0.2	78.9	.99	80.0	82.9	SW	0.0	0.09				
2 „	.626	.657	79.8	79.2	0.6	79.0	.98	80.2	82.9	SW b S	0.0	0.05				
3 „	.626	.748	77.4	76.3	1.1	75.9	.95	78.8	82.7	NW	0.1	0.13				
4 „	.635	.747	76.2	76.2	0.0	76.2	1.00	77.8	82.6	„	0.0	0.16				
5 „	.635	.757	76·6	76.2	0.4	75.9	0.98	78.7	82.5	„	0.0	0.15				
6 „	.653	.871	75.4	73.2	2.2	72.2	.90	77.3	82.3	SW	0.0	0.31				
7 „	.650	.650	76.2	76.2	0.0	76.2	1.00	77.5	82.3	W b N	0.0	0.14				
8 „	.665	.665	77.7	77.7	0.0	77.7	1.00	78.3	82.3	„	0.0	0.03				
9 „	.681	.780	79.7	77.5	2.2	76.7	0.91	79.8	82.3	„	0.1					
10 „	.687	.703	81.5	80.0	1.5	79.4	.94	80.9	82.5	W b S	0·1					
11 „	.675	.720	82.3	79.5	2.8	78.5	.89	81.5	82.5	„	0.1					
Noon.	.663	.764	81.6	78.0	3.6	76.6	.86	81.1	82.6	W	0.1	0.14	None.	None.	None.	None.
1 p. m.	.646	.693	79.8	78.8	1.0	78.4	.96	80.4	82.6	W b N	0.1	0.08				
2 „	.640	.700	79.4	78.4	1.0	78.0	.96	80.1	82.5	SW	0.1	0.18				
3 „	.634	.733	77.8	77.0	0.8	76.7	.97	79.0	82.4	W b S	0.1	0.44				
4 „	.622	.650	79.6	79.2	0.4	79.1	.98	79.8	82.4	„	0.7					
5 „	.617	.696	79.3	77.9	1.4	77.4	.94	79.6	82.4	W	0.5	0.01				
6 „	.625	.692	78.6	78.0	0.6	77.8	.98	79.0	82.3	„	0.3					
7 „	.648	.704	79.0	78.4	0.6	78.1	.98	79.5	82.3	WSW	0.1					
8 „	.657	.727	77.7	77.7	0.0	77.7	1.00	78.7	82.3	SW b W	0.1	0.26				
9 „	.676	.768	77.2	77.0	0.2	76.9	0.99	78.1	82.1	W b N	0.0	0.39				
10 „	.682	.778	77.5	77.0	0.5	76.8	.98	78.1	82.1	W	0·0	0.17				
11 „	.670	.731	78.0	78.0	0.0	78.0	1.00	78.6	82.0	SW	0.0					
July 20th-Midnight	.661	.724	78.2	78.0	0.2	77.9	0.99	78.8	82.0	SW	0.0	0.19				
1 a. m.	.647	.727	77.6	77.4	0.2	77.3	.99	78.5	82.0	„	0.0					
2 „	.629	.726	77.6	77.0	0.6	76.7	.97	78.5	82.0	„	0.2					
3 „	.616	.734	77.4	76.4	1.0	76.0	.96	78.4	82.0	SW b S	½ to 1	0.01				
4 „	.613	.706	77.3	77.0	0.3	76.9	.97	78.2	82.0	SSW	0.4					
5 „	.616	.705	78.0	77.3	0.7	77.0	.97	78.5	81.9	SW b S	0.2					
6 „	.634	.726	77.2	77.0	0.2	76.9	.99	77.9	81.9	„	0.1					
7 „	.653	.767	77.4	76.5	0.9	76.1	.96	78.1	81.9	SW	½ to 1½	0.16	None.	None.	None.	None.
8 „	.664	.757	77.3	77.0	0.3	76.9	.99	78.0	81.9	„	0.1	0.01				
9 „	.677	.751	78.4	77.8	0.6	77.5	.97	78.7	81.8	„	0.2					
10 „	.684	.775	77.8	77.2	0.6	76.9	.97	78.5	81.8	WSW	0.1	0.08				
11 „	.682	.804	77.8	76.4	1.4	75.9	.94	78.1	81.7	„	0.2	0.20				

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩⌣ cumulo-strati; and ≀∩ nimbi.	
8	C	Overcast with ≀∩, moving NE; a few stars dimly visible about zenith.	Mean daily temperature of ground 20 and 60 inches below its surface 84°1 and 85°4. Daily fall of rain by Osler's Gauge 0·28in.
6	R	≀∩ scattered about, moving NE.	
7	R	≀∩ and ≀≀ scattered about, the former moving NE.	
4	R	" " "	
4	R	" " "	
8	L	Overcast with ≀∩, moving NE.	
8	L	" "	
8	L	Overcast with ≀∩, moving ENE; rain commenced 7h. 5m.	
8	L	Overcast; raining.	
8	C	Overcast; rain ceased at 9h. 14m.	
8	C	Overcast; no rain.	
8	C	" "	
8	C	Overcast with ≀∩, moving NE; a few drops of rain at 0h. 40m.	
7	R	Densely clouded with ≀∩, moving NE.	
7	R	≀∩, ≀≀, and ≀ scattered about, the former moving NE.	
8	R	" " "	
8	R	" " "	
8	L	" " "	
8	L	Overcast with ≀∩; light rain from 6h. 7m. to 6h. 23m.	
8	L	Overcast with ≀∩, moving E.	
8	L	" "	
8	C	" "	
8	C	Overcast; rain commenced at 10h. 37m.	
8	C	Overcast; raining.	
8	C	Overcast with ≀∩, moving ENE; raining.	Mean daily temperature of ground 20 and 60 inches below its surface 84°1 and 85°4. Daily fall of rain by Osler's Gauge 3·16in. The readings of Air thermometer and Wet Bulb thermometer at 6 A. M. were 75°4 and 73°2, smallest during the month; the former was about 4°4, and the latter 4°7 smaller than the Normal Mean.
8	R	Overcast; raining.	
8	R	" "	
8	B	" "	
8	B	" "	
8	C	" "	
8	C	" "	
8	R	" "	
8	R	Overcast with ≀∩, moving E; rain ceased at 8h. 15m.	
8	B	Overcast; no rain.	
8	B	" "	
8	C	Overcast with ≀∩, moving NE; rain commenced at 11h. 55m.	
8	C	Overcast; raining.	
8	R	" "	
8	R	Overcast; rain ceased at 2h. 50m., but recommenced at 2h. 54m.	
8	B	Overcast; raining lightly.	
8	B	Overcast with ≀∩, moving E; rain ceased at 4h. 18m., but recommenced at 4h. 55m., which lasted 3m.	
8	C	Overcast; no rain.	
8	C	Overcast with ≀≀ and ≀∩, the former moving NE.	
8	R	Overcast; raining after 7h. 5m.	
8	R	Overcast; raining.	
8	B	Overcast with ≀∩, moving ENE; raining.	
8	B	Overcast; rain ceased at 10h. 12m.	
8	C	Overcast; light rain commenced at 11h. 29m., after a passing shower at 11h. 15m.	
8	C	Overcast with ≀∩, moving NE; rain ceased at 0h. 28m.	Mean daily temperature of ground 20 and 60 inches below its surface 84°1 and 85°4. Daily fall of rain by Osler's Gauge 1·62in.
6	R	≀∩ scattered throughout, moving NE.	
8	R	Overcast with ≀∩ and ≀≀, the former moving NE; rain commenced at 2h. 50m.	
8	R	Overcast; rain ceased at 3h. 20m.	
7	R	Densely clouded with ≀∩, moving NE.	
7	B	Densely clouded; drizzling rain between 5h. 25m. and 5h. 31m.	
7	B	Densely clouded; rain commenced at 6h. 50m.	
8	B	Overcast with ≀∩, moving NE; light showers of rain.	
8	B	Overcast; raining lightly.	
8	C	" "	
8	C	Overcast with ≀∩, moving ENE; raining lightly.	
8	C	Overcast; raining.	

Bombay Civil Time. 1860.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet-Bulb Thermometer.	Depression of Wet-Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of lesson after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
July 20th–Noon.	29.676	28.743	77°8	77°8	0°0	77°8	1.00	78°1	81°7	WSW	0.3	0.25				
1 p. m.	.666	.747	78.0	77.5	0.5	77.3	0.98	78.5	81.7	SSW	0.4	0·06				
2 „	.646	.740	77.4	77.0	0.4	76.8	.98	78.3	81.7	„	0.3	0.17				
3 „	.622	.715	77.3	77.0	0.3	76.9	.99	78.2	81.7	SW	0.2	0·02				
4 „	.603	.665	78.1	78.0	0.1	77.9	1.00	78.7	81.7	„	0.1	0.02				
5 „	.613	.666	79.6	78.6	1.0	78.2	0.96	79.5	81.8	SSW	0.3					
6 „	.613	.677	79.0	78.2	0.8	77.9	.97	79.3	81.8	SW	½ to 2½	0.01	None.	None.	None.	None.
7 „	.635	.734	77.8	77.0	0.8	76·7	.96	78.3	81.7	SSW	0.1	0.13				
8 „	.654	.757	78.2	77.0	1.2	76.5	.95	78.6	81.7	SW b W	0.2	0.04				
9 „	.655	.718	78.2	78.0	0.2	77.9	.99	78.8	81.6	SW	0.2					
10 „	.655	.756	77.6	77.0	0.6	76.6	.97	78.1	81.5	„	0.4	0.17				
11 „	.643	.704	78.0	78.0	0.0	78.0	1.00	78.5	81.5	„	0.1					
July 21st–Midnight	.631	.715	77.6	77.3	0.3	77.2	0.99	78.2	81.4	SW b W	0.2	0.09				
1 a. m.	.613	.678	78.4	78.0	0.4	77.8	.98	78.6	81.5	SW b S	0.5					
2 „	.604	.650	79.0	78.6	0.4	78.5	.98	79.0	81.6	„	0.4	0·03				
3 „	.599	.673	79.2	78.0	1·2	77.5	.95	79.2	81.6	SW	0.6					
4 „	.592	.667	79.3	78.0	1.3	77.5	.95	79.3	81.6	„	0.8					
5 „	.612	.668	79.5	78.5	1.0	78.1	.96	79.5	81.6	SW b W	0.2					
6 „	.628	.687	79.3	78.4	0.9	78.0	.96	79.3	81.6	WSW	0.1					
7 „	·642	.695	79.6	78.6	1.0	78.2	.96	79.7	81.7	„	0·5					
8 „	.651	.663	81.2	80.0	1.2	79.6	.95	80.6	81.9	SW b W	1.0					
9 „	.662	.679	81.6	80.0	1.6	79.4	.93	81.0	82.0	WSW	0.1					
10 „	.660	.657	84.1	81.1	3.0	80.1	.88	82.3	82.1	SW b S	0·3					
11 „	.656	.656	83.6	80.9	2.7	80.0	.89	82·0	82.2	„	0·2					
Noon.	.652	.654	85.0	81.2	3.8	79.9	.85	83.1	82.4	„	0·4		None.	None.	None.	None.
1 p. m.	.638	.701	84.3	79.6	4.7	77.9	.82	83.5	82.5	SW	0.8					
2 „	.624	.688	79.8	78.4	1.4	77·9	.94	80.7	82.4	„	0·4	0.17				
3 „	.606	·664	81.5	79.0	2.5	78.1	.90	81.3	82.4	„	0.6					
4 „	.598	.658	81.7	79.0	2.7	78.0	.89	81.4	82.5	SW b W	0.4					
5 „	.614	.667	81.1	79.0	2.1	78.2	.91	80.8	82.5	WSW	0.3					
6 „	·629	.718	80.5	78.0	2.5	77.0	.90	80.5	82.4	„	0·3					
7 „	.646	.757	80.0	77.3	2.7	76.3	.89	80.1	82.3	SWbW	0.2					
8 „	.663	.759	79.0	77.4	1.6	76.8	.93	79.5	82.2	„	0·4	0.01				
9 „	.675	.763	79.3	77.7	1.6	77.0	.93	79.7	82.2	WSW	0.2					
10 „	.676	.744	78.6	78.0	0.6	77.7	.97	79.1	82.0	SSW	0.1					
11 „	.669	.760	77.8	77.2	0.6	76.9	.97	78.5	81.9	W b S	0.0	0.36				
July 23rd–Midnight	.628	.676	80.6	79.0	1.6	78.4	.93	80.7	82.5	SW	0.0					
1 a. m.	.614	.655	80.0	79.0	1.0	78·6	.96	80.3	82.5	SSW	½ to 1½					
2 „	.595	.696	78.0	77.0	1.0	76.6	.96	79.0	82.4	SW b S	½ to 2½	0.11				
3 „	.589	.670	79.8	78.0	1.8	77.3	.92	79.9	82.4	SW	1.0	0.01				
4 „	.588	.673	80.2	78.0	2.2	77.2	.91	80.0	82.5	„	1.0					
5 „	.598	.683	80.2	78.0	2.2	77.2	.91	80.1	82.5	„	0.8					
6 „	.618	.711	80.2	77.8	2.4	76.9	.91	80.0	82.4	„	0.6					
7 „	.631	.681	80.8	79.0	1.8	78.3	.93	80.4	82.4	SW b S	½ to 1½					
8 „	.648	.664	81.5	80.0	1.5	79.4	.94	80.9	82.5	S b W	0 to 1					
9 „	.653	.673	82.3	80.1	2.2	79.3	.91	81.3	82.5	SW	0.1	0.10				
10 „	.654	.626	79.0	78.0	1.0	77.6	.96	79.6	82.3	W	½ to 1½	0.22				
11 „	.648	.665	81.6	80.0	1.6	79.4	.93	80.8	82.4	WSW	0.2					
Noon.	.640	.625	84.2	81.4	2.8	80.4	.89	82.6	83.5	SW b W	0.4		None.	None.	None.	None.
1 p. m.	.623	.653	84.5	80.5	4.0	79.0	.84	83.5	82.8	SW b S	½ to 1½					
2 „	.611	.587	83.4	81.4	2.0	80.7	.92	82.7	82.9	„	½ to 1					
3 „	.602	.589	82.8	81.0	1.8	80.4	.93	82.5	82.9	„	0.3					
4 „	.591	.633	81.6	79.4	2.2	78.6	.91	81.7	82.9	„	½ to 1½					
5 „	.602	.652	81.6	79.2	2.4	78.3	.90	81.3	82.9	„	0 to 1½					
6 „	.615	.704	80.5	78.0	2.5	77.0	.90	80.8	82.7	„	½ to 1½					
7 „	.632	.687	81.3	79.0	2.3	78.2	.91	81.0	82.7	„	½ to 1½					
8 „	.648	.731	80.7	78.2	2.5	77.2	.90	80.8	82.7	SSW	0.3	0.02				
9 „	.662	.711	80.7	79.0	1.7	78.4	.93	80.8	82.6	„	0.4					
10 „	.662	.714	81.0	79.0	2.0	78.3	.92	80.9	82.5	„	0.5					
11 „	.648	.696	80.6	79.0	1.6	78.4	.93	80.6	82.4	„	0.3					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩⌣ cumulo-strati; and ≀≀ nimbi.	
8	C	Overcast; raining.	
8	R	" "	
8	R	" "	
8	R	" "	
8	R	Overcast; rain ceased at 4h. 25m.	
8	L	Overcast with ≀≀, moving NE; light rain between 5h. 0m. and 5h. 11m.	
8	L	Overcast; light rain between 6h. 17m. and 6h. 40m.	
8	B	Overcast; light rain at 7h. 56m., which lasted 4m.	
8	B	Overcast with ≀≀, moving ENE.	
6	C	≀≀ scattered about, moving ENE; showers of rain now and then.	
8	C	Overcast; drizzling rain from full hour to 10h. 18m.	
6	C	≀≀ scattered about, moving ENE; rain commenced at 11h. 28m.	
8	C	Overcast with ≀≀, moving ENE; rain ceased at 0h. 13m.	Mean daily temperature of ground 20 and 60 inches below its surface 83°9 and 85°5. Daily fall of rain by Osler's Gauge 0·72in.
4	R	≀≀ scattered about, moving NE; light rain at 1h. 7m., which lasted 5m.	
4	R	≀≀ scattered about, moving NE.	
3	R	" "	
3	R	" "	
7	B	Densely clouded with ≀≀, moving ENE; drizzling rain between 5h. 30m. and 5h. 36m.	
7	L	Densely clouded; a few drops of rain at 6h. 53m.	
7	L	Densely clouded with ≀≀, moving NE; a passing shower of rain at 7h. 2m.	
8	L	Overcast with ≀≀, moving NE; light rain at 8h. 8m., which lasted 7m.	
7	C	Densely clouded with ≀≀, moving NE.	
7	C	≀≀ and ≀≀ scattered throughout, the former moving E.	
8	C	" " "	
7	C	≀≀ around hor.; ≀≀ and ≀ scattered throughout.	
8	R	Overcast with ≀≀ and ≀≀, the former moving E; rain commenced at 1h. 8m.	
8	R	Overcast; rain ceased at 2h.	
8	R	Overcast; no rain.	
8	R	" "	
8	C	Overcast with ≀≀, moving NE.	
8	C	" "	
8	C	Overcast; light rain at 7h. 54m., which lasted 5m.	
8	C	Overcast; no rain.	
8	C	Overcast; light rain at 9h. 37m., which lasted 3m.	
8	C	Overcast; rain commenced at 10h. 19m.	
8	C	Overcast; raining.	
4	C	≀≀ scattered about hor., moving E; light drops of rain at 0h. 30m.	Mean daily temperature of ground 20 and 60 inches below its surface 83°8 and 85°5. Daily fall of rain by Osler's Gauge 0·51in.
8	R	Overcast, with ≀≀, moving E; light rain at 1h. 20m., which lasted 10m.	
8	R	Overcast; light rain at 2h. 23m., which lasted 7m.	
8	R	Overcast; a few drops of rain at 3h. 20m.	
4	R	≀≀ scattered about, moving ENE.	
6	B	≀≀, ≀≀, and ≀ scattered about, the former moving ENE.	
7	B	" " " "	
8	B	Overcast with ≀≀ and ≀≀, the former moving NE.	
7	B	Densely clouded with ≀≀ and ≀≀, the former moving NE; light rain from 8h. 13m. to 8h. 27m.	
7	C	Densely clouded; rain commenced at 9h. 18m., which ceased at 9h. 54m.	
8	C	Overcast with ≀≀, moving ENE; no rain.	
8	C	" " "	
8	C	" " "	
8	R	" " "	
8	R	" " "	
8	R	Overcast; drizzling rain at 3h. 45m., which lasted 5m.	
8	R	Overcast; no rain.	
8	B	Overcast; a few drops of rain at 5h. 19m.	
8	B	Overcast; no rain.	
8	B	Overcast; rain commenced at 7h. 54m.	
8	B	Overcast; rain ceased at 8h. 3m.	
8	C	Overcast; a few stars dimly visible in N and S.	
7	C	Densely clouded with ≀≀, moving ENE; drizzling rain from 10h. 51m. to 10h. 58m.	
8	C	Overcast with ≀≀, moving ENE; light rain from 11h. 9m. to 11h. 16m.	

Bombay Civil Time. 1860.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet-Bulb Thermometer.	Depression of Wet-Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
July 24th-Midnight	29.634	28.693	79°8	78°5	1°3	78°0	0.95	80°0	82°4	S b W	½ to 3	0.02				
1 a. m.	.621	.691	78.8	78.0	0.8	77.7	.97	79.4	82.5	„	0.5					
2 „	.609	.688	79.6	78.0	1.6	77.4	.93	80.0	82.5	SSW	¼ to 1½					
3 „	.599	.646	79.8	78.8	1.0	78.4	.96	80.0	82.5	„	0 to 1½	0.03				
4 „	.599	.658	79.8	78.5	1.3	78.0	.95	80.0	82.5	„	0 to 2⅓					
5 „	.622	.705	80.8	78.4	2.2	77.2	.91	80.1	82.5	„	¼ to 1½					
6 „	.637	.676	80.8	79.0	1.8	78.7	.93	80.4	82.5	„	0 to 1½					
7 „	.652	.723	80.9	78.5	2.4	77.6	.90	80.5	82.6	„	½ to 2					
8 „	.658	.746	81.2	78.2	3.0	77.0	.88	81.0	82.6	„	0 to 1½					
9 „	.665	.727	81.9	79.0	2.9	77.9	.88	81.6	82.6	„	¼ to 2					
10 „	.671	.709	83.5	80.0	3.5	78.7	.86	82.2	82.7	„	0 to 1¾					
11 „	.663	.684	82.0	80.0	2.0	79.3	.92	81.2	82.6	„	½ to 3	0.05				
Noon.	.660	.729	82.9	79.1	3.8	77.7	.85	82.1	82.8	„	½ to 1½		None.	None.	None.	None.
1 p. m.	.641	.668	84.5	80.5	4.0	79.1	.84	83.4	83.0	SW b W	0 to 1					
2 „	.625	.667	83.2	79.8	3.4	78.6	.86	83.0	83.0	SW b S	0.3					
3 „	.613	.652	83.6	80.0	3.6	78.7	.86	83.0	83.0	SW	0.3					
4 „	.604	.682	82.2	78.7	3.5	77.4	.86	82.0	83.1	„	¼ to 1					
5 „	.617	.720	81.8	78.0	3.8	76.5	.85	81.5	83.0	„	0.6					
6 „	.620	.720	81.5	78.0	3.5	76.6	.86	81.3	83.0	„	0.8					
7 „	.628	.722	81.0	78.0	3.0	76.8	.88	81.0	83.0	„	0.8					
8 „	.640	.726	81.0	78.2	2.8	77.1	.89	81.0	83.0	„	1.0					
9 „	.632	.736	80.8	77.7	3.1	76.5	.87	80.8	82.9	„	0.7					
10 „	.638	.796	80.8	78.8	2.0	78.1	.92	80.8	82.9	SW b S	0.2					
11 „	.630	.700	80.8	78.5	2.3	77.7	.91	80.8	82.8	SW	0.1					
July 25th-Midnight	.621	.712	80.7	78.0	2.7	76.9	.89	80.5	82.7	SW	0.4	0.02				
1 a. m.	.608	.659	80.2	78.8	1.4	78.3	.94	80.3	82.7	„	0.4					
2 „	.600	.664	80.2	78.5	1.7	77.9	.93	80.2	82.7	„	0.4					
3 „	.594	.681	80.4	78.0	2.4	77.1	.90	80.2	82.7	„	1.5					
4 „	.592	.678	80.3	78.0	2.3	77.1	.90	80.3	82.7	„	1.0					
5 „	.602	.691	80.6	78.0	2.6	77.0	.89	80.3	82.7	SSW	1.5					
6 „	.612	.693	80.6	78.2	2.4	77.3	.90	80.3	82.7	SW b S	1.3					
7 „	.624	.701	80.9	78.4	2.5	77.4	.90	80.5	82.7	SSW	0.8					
8 „	.641	.700	81.6	79.0	2.6	78.0	.89	81.0	82.7	„	0.7					
9 „	.635	.675	83.7	80.0	3.7	78.7	.85	82.4	82.7	„	0.4					
10 „	.641	.645	84.4	81.0	3.4	79.8	.87	83.1	82.9	„	0.2					
11 „	.634	.643	86.4	81.4	5.0	79.7	.81	84.4	83.1	SW b S	0.4					
Noon.	.630	.648	85.6	81.0	4.6	79.4	.82	84.2	83.3	SW	0.4		None.	None.	None.	None.
1 p. m.	.609	.628	85.7	81.0	4.7	79.4	.82	84.5	83.4	„	0.4					
2 „	.591	.665	83.0	79.0	4.0	77.5	.84	83.0	83.5	SW b W	0.6	0.01				
3 „	.587	.708	79.8	77.0	2.8	75.9	.88	81.0	83.3	SW b S	0.6					
4 „	.578	.625	80.5	79.0	1.5	78.4	.94	81.0	83.2	„	0.2	0.01				
5 „	.579	.626	80.5	79.0	1.5	78.4	.94	81.0	83.1	SW	0.7					
6 „	.579	.663	80.8	78.2	2.6	77.2	.89	81.0	83.1	„	0.2					
7 „	.601	.684	80.0	78.0	2.0	77.2	.92	80.5	83.0	„	0.2					
8 „	.613	.689	80.5	78.3	2.2	75.1	.90	80.7	83.0	„	0.5					
9 „	.621	.667	80.6	78.8	1.8	77.5	.93	80.9	82.9	„	0.4					
10 „	.624	.672	80.6	79.0	1.6	78.4	.94	80.9	82.9	„	0.2					
11 „	.621	.667	80.6	78.8	1.8	78.5	.93	80.8	82.9	„	0.2					
July 26th-Midnight	.607	.652	80.4	79.0	1.4	78.5	.94	80.6	82.9	SW	¼ to 1½					
1 a. m.	.594	.642	80.6	79.0	1.6	78.4	.93	80.7	83.0	„	¼ to 1½					
2 „	.582	.629	80.5	79.0	1.5	78.4	.94	80.7	83.0	„	¼ to 1½					
3 „	.576	.624	80.6	7.90	1.6	78.4	.93	80.6	83.0	„	0.3					
4 „	.576	.624	80.6	79.0	1.6	78.4	.93	80.7	83.0	„	0.8					
5 „	.590	.657	80.5	78.5	2.0	77.8	.92	80.6	82.9	„	0.5					
6 „	.601	.669	80.6	78.5	2.1	77.7	.91	80.6	82.9	„	0.6					
7 „	.621	.673	81.0	79.0	2.0	78.3	.92	80.9	82.9	„	½ to 1½					
8 „	.642	.703	81.8	79.0	2.8	78.0	.89	81.4	82.9	SW b S	0.6					
9 „	.644	.700	82.5	79.3	3.2	78.7	.87	81.8	83.0	„	¼ to 1½					
10 „	.653	.672	83.4	80.4	3.0	79.3	.88	82.2	83.1	„	0 to 1					
11 „	.651	.698	84.4	80.0	4.4	78.4	.83	83.2	83.2	SW	0 to 1½					

Less than one cent.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩⌣ cumulo-strati; and ≀≀ nimbi.	
8	C	Overcast with ≀≀, moving ENE.	Mean daily temperature of ground 20 and 60 inches below its surface 83°8 and 85°5. Daily fall of rain by Osler's Gauge 0·13in.
8	R	" "	
8	R	Overcast; a shower of rain at 2h. 35m., which lasted 2m.	
8	R	Overcast; light rain at 3h. 42m., which lasted 4m.	
7	R	Nearly overcast with ≀≀, moving NE.	
8	B	Overcast with ≀≀, moving ENE.	
8	B	" "	
8	L	Overcast with ≀≀, moving NE.	
8	L	Overcast with ≀≀ and ≀, the former moving NE.	
8	C	Overcast with ≀≀, moving NE.	
8	C	Overcast with ≀≀, moving NE; light rain between 10h. 24m. and 10h. 42m.	
8	C	Overcast; no rain.	
8	C	Overcast; light rain at 12h. 1m., which lasted 1m.	
8	R	Overcast; no rain.	
8	R	Overcast with ≀≀, moving ENE; a few drops of rain at 2h. 22m.	
8	R	Overcast with ≀≀, moving E.	
8	R	Overcast with ≀≀, moving NE.	
8	B	" "	
8	B	Overcast with ≀≀, moving ENE.	
8	B	" "	
8	B	Overcast with ≀≀, moving NE.	
8	C	Overcast; a few drops of rain at 9h. 19m.	
8	C	Overcast; no rain.	
8	C	Overcast; a shower of rain at 11h. 39m., which lasted 2m.	
8	C	Overcast with ≀≀, moving NE.	Mean daily temperature of ground 20 and 60 inches below its surface 83°9 and 85°4. Daily fall of rain by Osler's Gauge 0·03in.
6	R	≀≀ scattered throughout, moving NE.	
4	R	≀≀ scattered about, moving NE.	
3	R	" "	
3	R	≀≀ and ≀ scattered about, the former moving E.	
7	B	Densely clouded with ≀≀ and ≀≀, the former moving ENE.	
8	B	Overcast with ≀≀, moving ENE.	
8	B	" "	
8	B	" "	
8	C	Overcast; a few drops of rain at 9h. 44m.	
6	C	≀≀ around hor.; dense ≀≀ scattered about.	
6	C	" " "	
8	C	Overcast with ≀≀, moving ENE; a few drops of rain at full hour.	
7	R	Densely clouded with ≀≀, moving NE; drizzling rain between 1h. 18m. and 1h. 25m..	
8	R	Overcast; drizzling rain from 2h. 20m. to 2h. 55m.	
8	R	Overcast; a few drops of rain at 3h. 0m., and a shower of rain at 3h. 20m., which lasted 5m.	
8	R	Overcast; drizzling rain from 4h. 27m. to 4h. 38m.	
8	B	Overcast; no rain.	
8	B	Overcast; drizzling rain from 6h. 32m. to 6h. 34m.	
8	B	Overcast; no rain.	
8	B	" "	
8	C	" "	
8	C	" "	
8	C	" "	
7	C	≀≀ and ≀≀ scattered throughout, the former moving NE.	Mean daily temperature of ground 20 and 60 inches below its surface 83°9 and 85°4.
6	R	" " "	
4	R	≀≀ and ≀≀ scattered about, the former moving NE.	
8	R	Overcast with ≀≀ and ≀≀, the former moving E.	
8	R	" " "	
8	B	" " "	
7	B	Densely clouded with ≀≀ and ≀≀, the former moving E.	
8	B	" " "	
8	B	Overcast with ≀≀ and ≀≀, the former moving ENE.	
8	C	Overcast as before.	
8	C	" "	
8	C	" "	

Bombay Civil Time. 1860.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
July 26th-Noon.	29.636	28.649	85°2	81°0	4°2	79°5	0.84	84°1	83°3	SW	0.1					
1 p.m.	.619	.639	85.8	81.0	4.8	79.3	.82	84.5	83.5	„	0.2					
2 „	.604	.651	84.4	80.0	4.4	78.4	.83	83.8	83.5	SW b S	0·2					
3 „	.597	·640	84.0	80.0	4.0	78.6	.84	83.5	83.5	SW	0.6					
4 „	.591	.621	82.8	80.0	2.8	79.0	.89	82.8	83.5	SW b S	0.4					
5 „	.600	.654	82.3	79.3	3.0	78.2	.88	82.2	83.4	„	0.7		None.	None.	None.	None.
6 „	.613	.675	81.9	79.0	2.9	77.9	.88	81.9	83.4	„	0.7					
7 „	.617	.682	81.4	78.8	2.6	77.8	.89	81.4	83.4	SSW	0.8					
8 „	.627	.681	81.2	79.0	2.2	78.2	.91	81.2	83.3	SW b S	0.5					
9 „	.631	.704	81.0	78.5	2.5	77.6	.90	81.0	83.3	„	0.6					
10 „	.643	.695	81.0	79.0	2.0	78.3	.92	81.0	83.2	SSW	0.7					
11 „	.640	.713	81.0	78.5	2.5	77.6	.90	81.0	83.2	SW b S	0.4					
July 27th-Midnight	.626	.699	81.0	78.5	2.5	77.6	.90	81.0	83.2	SSW	0.5					
1 a. m.	·606	.658	81.0	79.0	2.0	78.3	.92	81.0	83.2	„	0.4					
2 „	.602	.652	80.8	79.0	1.8	78.3	·93	80.9	83.1	SW	0.4					
3 „	.593	.642	80·7	79.0	1.7	78.4	.93	80.9	83.0	„	¼ tol ½					
4 „	.595	.644	80.7	79.0	1.7	78.4	.93	80.8	83.0	„	1.0					
5 „	.612	.661	80.7	79.0	1.7	78.4	·93	80.8	83.0	„	0.7					
6 „	.628	.689	80.7	78.7	2.0	78.0	.92	80.6	83.0	SW b S	¼ tol ½					
7 „	.642	.694	81.0	79.0	2.0	78.3	.92	80.9	83.0	SSW	0.5					
8 „	.658	.693	81.8	79.6	2.2	78.8	.91	81.3	83.1	SW b S	0.3					
9 „	.665	.738	81.4	78.6	2.8	77.6	.88	81.0	83·0	SW	1 to 4¾					
10 „	.662	.785	80.8	77.2	3.6	75.8	.85	80.7	82.9	SSW	¼ tol ½					
11 „	.663	.729	82.3	79.0	3.3	77.8	.87	81.5	83.0	„	¼ tol ½		None.	None.	None.	None.
Noon.	.652	.701	83.8	79.8	4.0	78.4	.84	82.8	83.2	SW b S	0.4					
1 p. m.	.638	.653	86.2	81.2	5.0	79.6	.81	84.0	83.5	SW	0.4					
2 „	.624	.639	86.2	81.2	5.0	79.6	.81	84.6	83.5	„	0.5					
3 „	.607	.635	83.8	80.3	3.5	79.1	.87	83.3	83.5	„	0·4					
4 „	.601	.644	84.0	80.0	4.0	78.6	.84	83.5	83.6	„	0.5					
5 „	.613	.687	83.0	79.0	4.0	77.5	.84	82.5	83.6	„	½ tol ¾					
6 „	.617	.704	80.4	78.0	2.4	77.1	.90	80.9	83.4	„	0.6	0.09				
7 „	.632	.704	80.7	78.3	2.4	77.4	.90	81.0	83.3	SW b S	0.8					
8 „	.641	.722	80.9	78.3	2.6	77.3	.89	81.0	83.3	SW	0.8					
9 „	.645	.725	80.8	78.3	2.5	77.3	.90	81.0	83.2	„	1.2					
10 „	.647	.724	80.6	78.3	2.3	77.4	.91	80.8	83.2	SW b S	1.0					
11 „	.647	.720	80.6	78.4	2.2	77.6	.91	80.8	83.2	„	1.0					
July 28th-Midnight	.639	.687	80.6	79.0	1.6	78.4	.93	80.8	83.2	SSW	0.8					
1 a. m.	.614	.662	80.6	79.0	1.6	78.4	.93	80.6	83.1	SW b S	0 to 1¾					
2 „	.598	.645	80.5	79.0	1.5	78.4	.94	80.7	83.1	„	½ to 2					
3 „	.594	.639	80.4	79.0	1.4	78.5	.94	80.7	83.0	SW	0 to 1					
4 „	.584	.629	80.4	79.0	1.4	78.5	.94	80.7	83.0	„	½ tol ½					
5 „	.599	.711	79.0	77.0	2.0	76.2	.92	79.5	83.0	„	½ to 5½	0.04				
6 „	.626	.730	78.3	77.0	1.3	76.5	.94	79.0	82.9	„	0.2	0.05				
7 „	.637	.744	78.5	77.0	1.5	76.4	.94	79.0	82.8	„	½ tol ½	0.19				
8 „	.650	.726	80.5	78.3	2.2	77.5	.91	80.5	82.9	„	0.6					
9 „	.663	.715	81.0	79.0	2.0	78.3	.92	80.8	82.9	SW b S	0.8	0.03				
10 „	.673	.679	83.8	80.8	3.0	79.8	.88	82.3	83.0	SW	0.7					
11 „	.672	.679	84.6	81.0	3.6	79.7	.86	83.2	83.1	„	0·5		None.	None.	None.	None.
Noon.	.666	.679	85·2	81.0	4.2	79.5	.84	83.9	83.3	„	0.6					
1 p.m.	.660	.662	86.2	81.5	4.7	79.9	.82	84.6	83.5	„	0.2					
2 „	.644	.666	86.0	81.0	5.0	79.3	.81	84.7	83.5	„	0.4					
3 „	.634	.654	85.8	81.0	4.8	79.3	.82	84.5	83.6	„	0.3					
4 „	.629	.664	85.2	80.5	4.7	78.8	.81	84.0	83.7	„	0.5					
5 „	.634	.687	83.0	79.5	3.5	78.2	.86	82.6	83.7	„	0.4					
6 „	.645	.703	81.5	79.0	2.5	78.1	.90	81.9	83.6	„	0.6					
7 „	.650	.739	80.5	78.0	2.5	77.0	.90	81.0	83.4	„	0·6					
8 „	.661	.750	80·5	78.0	2.5	77.0	.90	81.0	83.3	„	0.5					
9 „	.664	·753	80.5	78.0	2.5	77.0	.90	80.9	83.3	SW b S	0.7					
10 „	.678	.767	80.5	78.0	2.5	77.0	.90	80.9	83.3	„	0.8					
11 „	.676	.729	80.6	78.7	1.9	78.2	.92	80.9	83.2	„	0.7					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: Ci cirri; Ci-cu cirro-cumuli; Cu cumuli; Cs cirro-strati; Cu-s cumulo-strati; and Ni nimbi.	
8	C	Overcast as before.	
8	R	" "	
8	R	" "	
8	R	" "	
8	R	" "	
8	B	Overcast; a few drops of rain at 5h. 45m.	
8	B	Overcast; no rain.	
8	B	" "	
8	B	Overcast with Ni and Cu, the former moving ENE.	
8	C	" " "	
8	C	Overcast; a few stars dimly visible in SE and SW.	
8	C	Overcast with Ni and Cu, the former moving ENE.	
8	C	Overcast with Ni and Cu, both moving ENE.	Mean daily temperature of ground 20 and 60 inches below its surface 83°9 and 85°3. Daily fall of rain by Osler's Gauge 0·09in.
8	R	" " "	
8	R	" " "	
8	R	" " "	
7	R	Densely clouded with Ni and Cu, the former moving NE; a few stars dimly visible.	
8	B	Overcast with Ni and Cu, the former moving ENE.	
8	B	Overcast with Ni and Cu, the former moving E.	
8	B	" " "	
8	B	Overcast; a passing shower of rain at 8h. 43m.	
8	C	Overcast with Ni and Cu, the former moving ENE.	
8	C	Overcast.	
8	C	"	
8	C	"	
8	R	Overcast with Ni and Cu, the former moving NE.	
8	R	" " "	
8	R	" " "	
8	R	Overcast with Ni and Cu, the former moving ENE.	
8	B	Overcast; light rain at 5h. 14m., which lasted 5m.	
7	B	Densely clouded with Ni and Cu, the former moving ENE.	
8	B	" " "	
8	B	Overcast; a few stars dimly visible.	
8	C	" "	
6	C	Ni around hor.; Ci and Cu scattered about.	
7	C	" " "	
7	C	Ni around hor.; Ci and Cu scattered throughout.	Mean daily temperature of ground 20 and 60 inches below its surface 84°0 and 85°2. Daily fall of rain by Osler's Gauge 0·24in.
7	R	Clouded as at midnight.	
7	R	" "	
8	R	Ni, Cu, and Ci scattered throughout, the former moving NE.	
8	R	Overcast; light rain at 4h. 50m., which lasted 4m.	
8	B	Overcast; no rain.	
8	B	Overcast; light rain from 6h. 2m. to 6h. 18m.	
8	B	Overcast; no rain.	
8	B	Overcast; light rain from 8h. 50m. to 8h 58m.	
8	C	Overcast; light rain at 9h. 1m.	
8	C	Ni and Cu scattered throughout, both moving NE.	
6	C	Densely clouded with Ni and Cu, both moving NE.	
7	C	" " "	
8	R	Overcast with Ni and Cu, the former moving NE.	
8	R	" " "	
7	R	Densely clouded with Ni and Cu, the former moving NE.	
8	R	Overcast with Ci, Cu, and Ni, the two latter moving NE.	
8	B	Overcast; a few drops of rain at 5h. 51m.	
8	B	Overcast; a few drops of rain at 6h. 35m.	
8	B	Overcast; no rain.	
8	B	Overcast; a lunar halo.	
8	B	Overcast; a few stars dimly visible.	
8	B	" "	
8	B	Overcast with Ni and Cu, the former moving NE.	

Bombay Civil Time. 1860.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
July 30th-Midnight	29.646	28.702	80°6	78°8	1°8	78°1	0.93	80°8	83°1	S b W	0.6					
1 a. m.	.626	.669	80.2	79.0	1.2	78.6	.95	80.5	83.0	„	0·8	0.01				
2 „	.616	.659	80.2	79.0	1.2	78.6	.95	80.3	83.0	„	0·4					
3 „	.614	.656	80.1	79.0	1.1	78.6	.95	80.1	83.0	SSW	0.4					
4 „	.616	.699	80.0	78.0	2.0	77.2	.92	80.0	83.0	„	0.2					
5 „	.631	.691	79.9	78.5	1.4	78.0	.94	80.0	82.9	SW b S	0.1					
6 „	.649	.712	80·1	78.5	1.6	77.9	.94	80.2	82.9	„	0.5					
7 „	.656	.723	80.5	78.5	2.0	77.8	.92	80.5	83.0	„	0.4					
8 „	.668	.720	81.0	79.0	2.0	78.3	.92	80.9	83.0	„	0·8					
9 „	.674	.714	81.0	79.3	1.7	78.7	.93	80.9	83.0	SW	¼ to 1¾					
10 „	.674	.728	81.2	79.0	2.2	78.2	.91	81.0	83.0	SW b S	0.5					
11 „	.664	.711	81.7	79.3	2.4	78.4	.90	81.2	83.0	SSW	0.4		None.	None.	None.	None.
Noon.	.655	.657	83.4	80.8	2.6	79.9	.89	82·1	83.1	„	0·5					
1 p. m.	.637	.659	84.0	80.5	3.5	79.3	.86	83.1	83.3	SW	0.3					
2 „	.618	.659	83.8	80.0	3.8	78.6	.85	83.1	83.4	„	0·2					
3 „	.598	.648	83.1	79.6	3.5	78.3	.86	82·7	83.4	SW b W	0·3					
4 „	.596	.626	82.8	80.0	2.8	79.0	.89	82.4	83.4	„	0·4					
5 „	.611	.665	82.3	79.3	3.0	78.2	.88	82.0	83.3	SW	0·2					
6 „	.615	.693	81.5	78.5	3.0	77.4	.88	81.5	83.3	„	0·5					
7 „	.629	.698	80.7	78.5	2.2	77.7	.81	81.0	83.2	SW b S	0.6					
8 „	.638	.707	80.7	78.5	2.2	77.7	.91	80.9	83.1	„	0.3					
9 „	.656	.722	80.8	78.6	2.2	77.8	.91	81.0	83.1	„	0.4					
10 „	.672	.722	80.8	79.0	1.8	78.3	.93	81.0	83.0	„	0.3					
11 „	.665	.715	80.8	79.0	1.8	78.3	.93	80.9	83.0	SSW	0.3					
July 31st-Midnight	.657	.707	80.8	79.0	1·8	78.3	.93	80.9	83.0	SSW	0.4					
1 a. m.	.630	.685	80.5	78.8	1.7	78.2	.93	80.8	83.0	SW b S	0.2					
2 „	.620	.667	80.5	79.0	1.5	78.4	.94	80.5	83.0	„	0.6					
3 „	.616	.661	80.4	79.0	1.4	78.5	.94	80.5	83.0	„	0.5					
4 „	.612	.657	80.4	79.0	1.4	78.5	.94	80.5	83.0	„	0.4					
5 „	.626	.709	80.0	78.0	2.0	77.2	.92	80.1	83.0	SW	0.7					
6 „	.650	.727	80.2	78.2	2.0	77.4	.92	80.3	83.0	„	0.2					
7 „	.663	.739	80.5	78.3	2.2	77.4	.91	80.4	83.0	SW b S	0.3					
8 „	.684	.738	81.2	79.0	2.2	78.2	.91	80.9	83.0	„	0.1					
9 „	.691	.714	82.2	80.0	2.2	79.2	.91	81.6	83.0	„	0.3					
10 „	.690	.722	83.0	80.0	3.0	78.9	.88	82.1	83.0	„	0.4					
11 „	.682	.669	85.2	81.6	3.6	80.4	.86	83.6	83.2	SSW	0·3		None.	None.	None.	None.
Noon.	.672	.683	85.0	81.0	4.0	79.6	.84	83.7	83.4	„	0.6					
1 p. m.	.657	.674	85.5	81.0	4.5	79.4	.83	84.3	83.5	SW	0.4					
2 „	.648	.680	84.2	80.3	3.9	78.9	.85	83.7	83.5	„	0.5					
3 „	.626	.654	83.4	80.2	3.2	79.1	.87	83.1	83.5	„	0.2					
4 „	.617	.653	83.4	80.0	3.4	78.8	.86	83.0	83.5	„	0.2					
5 „	.621	.649	82.6	80.0	2.6	79.1	.90	82.5	83.5	SW b S	0.2					
6 „	.631	.694	82.0	79.0	3.0	77.9	.88	82.0	83.5	„	0·5					
7 „	.646	.701	81.3	79.0	2.3	78.2	.91	81.5	83.5	„	0.4					
8 „	.672	.725	81.1	79.0	2.1	78.2	.91	81.2	83.4	„	0.3					
9 „	.691	.743	81.0	79.0	2.0	78.3	.92	81.0	83.3	„	0.2					
10 „	.697	.747	80.8	79.0	1.8	78.3	.93	81.0	83.3	SSW	0.1					
11 „	.698	.748	80.8	79.0	1.8	78.3	.93	81.0	83.3	„	0.2					
Aug. 2nd-Midnight	.702	.793	78.6	77.4	1.2	76.9	.95	79.1	82.5	SW	0.2					
1 a. m.	.684	.740	79.5	78.5	1.0	78.1	.96	79.8	82.5	„	0.3					
2 „	.664	.721	79.6	78.5	1.1	78.1	.95	80.0	82.5	„	0.4					
3 „	.650	.706	79.5	78.5	1.0	78.1	.96	79.9	82.5	SW b S	0.5					
4 „	.647	.727	79.7	78.0	1.7	77.3	.93	80.0	82.5	SW	0.8					
5 „	.661	.737	79.4	78.0	1.4	77.5	.94	79.8	82.5	„	¼ to 2		None.	None.	None.	None.
6 „	.680	.778	79.6	77.5	2.1	76.7	.91	79.7	82.5	„	¼ to ½					
7 „	.700	.787	80.4	78.0	2.4	77.1	.90	80.2	82.5	WSW	0.2					
8 „	.742	.904	77.2	75.2	2.0	74.4	.91	78.4	82.5	W b S	½ to 5¾					
9 „	.735	.838	78.9	77.2	1.7	76.5	.93	79.1	82.4	SW	0·1					
10 „	.730	.787	82.6	79.3	3.3	78.1	.87	81.3	82.6	SW b S	0·2					
11 „	.715	.806	81.5	78.2	3.3	76.9	.87	81.1	82.6	WSW	¼ to 2¾	0.05				

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ∪ cirro-strati; ∩∪ cumulo-strati; and ≀∪ nimbi.	
8	C	Overcast with ≀∪, moving ENE; a passing shower of rain at 0h. 56m.	Mean daily temperature of ground 20 and 60 inches below its surface 84°0 and 85°2. Daily fall of rain by Osler's Gauge 0·01in.
8	R	Overcast; no rain.	
8	R	" "	
8	R	" "	
8	R	" "	
8	B	" "	
8	B	" "	
8	B	" "	
8	B	" "	
8	B	Overcast; light drizzling rain from 8h. 27m. to 8h. 46m.	
8	C	Overcast; drizzling rain after 9h. 50m.	
8	C	Overcast; rain ceased at 10h. 24m.	
8	C	Overcast; no rain.	
8	C	" "	
8	R	" "	
8	R	" "	
8	R	" "	
8	R	" "	
7	B	Overcast; drops of rain between 5h. 10m. and 5h. 56m.	
7	B	≀∪ around hor.; ≀≀ scattered throughout.	
8	B	" "	
8	B	Overcast with ≀∪ and ≀≀; a few stars dimly visible.	
8	C	Overcast with ≀∪ and ≀≀, both moving ENE.	
8	C	" " "	
8	C	" " "	
8	C	Overcast with ≀∪ and ≀≀, both moving ENE.	Mean daily temperature of ground 20 and 60 inches below its surface 84°0 and 85°1.
8	R	" " "	
8	R	" "	
8	R	" " "	
8	R	≀∪ and ≀≀ scattered about, both moving ENE.	
8	B	Overcast with ≀∪ and ≀≀, the former moving ENE.	
8	B	Overcast.	
8	B	"	
8	B	"	
8	C	"	
8	C	"	
8	C	"	
8	C	"	
8	R	"	
8	R	"	
8	R	"	
8	R	"	
7	R	≀∪ and ≀≀ scattered throughout, both moving NE.	
8	R	Overcast with ≀∪ and ≀≀, both moving NE.	
8	R	Overcast.	
8	R	"	
8	R	"	
8	R	"	
8	R	"	
7	B	Densely clouded with ≀∪ and ≀≀, both moving ENE.	Mean daily temperature of ground 20 and 60 inches below its surface 84°0 and 85°0. Daily fall of rain by Osler's Gauge 0·19.
7	C	Clouded as before.	
7	C	" "	
7	C	" "	
7	C	" "	
7	R	" "	
8	R	" "	
6	R	≀∪ and ≀≀ scattered about, both moving ENE.	
8	R	Overcast with ≀∪, moving ENE; drizzling rain between 8h. 0m. and 8h. 8m.	
8	B	Overcast; no rain.	
7	B	Densely clouded with ≀∪ and ≀≀; a passing shower of rain at 10h. 37m.	
7	B	Densely clouded; no rain.	

Bombay Civil Time. 1860.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Aug. 2nd–Noon.	29.719	28.874	79°4	76°0	3°4	74°7	.86	79°8	82°5	W	¼ to 6					
1 p. m.	.684	.831	80.0	76.4	3.6	75.0	.85	80.0	82.5	SW	0 to 1¾					
2 „	.666	.755	81.7	78.3	3.4	77.0	.86	80.9	82.5	WSW	0 to 1¾					
3 „	.645	.746	81.6	78.0	3.6	76.6	.85	81.0	82.6	„	¼ to 1					
4 „	.642	.815	81.0	76.0	5.0	74.0	.80	80.7	82.5	„	¼ to 3					
5 „	.629	.705	79.4	78.0	1.4	77.5	.94	79.9	82.5	SW	¼ to 1½	0.04	None.	None.	None.	None.
6 „	.631	.714	80.0	78.0	2.0	77.2	.92	80.0	82.5	SW b W	0 to 1					
7 „	.634	.741	78.5	77.0	1.5	76.4	.94	79.0	82.4	WSW	¼ to 2¾	0.05				
8 „	.649	.767	77.4	76.4	1.0	76.0	.96	78.4	82.2	„	½ to 4					
9 „	.665	.759	77.4	77.0	0.4	76.8	.98	78.3	82.2	„	¼ to 1½	0.05				
10 „	.681	.821	78.7	76.2	2.5	75.2	.90	79.1	82.2	SW	0 to 2					
11 „	.670	.771	78.0	77.0	1.0	76.6	.96	78.5	82.1	„	0 to 4½					
Aug. 3rd–Midnight	.645	.746	78.0	77.0	1.0	76.6	.96	78.3	82.1	SW	¼ to 2½	0.05				
1 a. m.	.627	.720	78.4	77.3	1.1	76.9	.95	78.8	82.1	„	0 to 3	0.03				
2 „	.617	.710	78.8	77.4	1.4	76.9	.94	79.0	82.1	„	½ to 3½					
3 „	.616	.728	79.0	77.0	2.0	76.2	.92	79.0	82.1	„	0 to 2¼					
4 „	.616	.709	79.4	77.6	1.8	76.9	.92	79.2	82.1	„	¼ to 1¼					
5 „	.612	.717	78.4	77.0	1.4	76.5	.94	79.0	82.0	„	½ to 2	0.03				
6 „	.626	.731	78.4	77.0	1.4	76.5	.94	78.8	82.0	„	¼ to 4	0.04				
7 „	.633	.725	79.0	77.5	1.5	76.9	.94	79.0	82.0	„	0 to 2	0.01				
8 „	.642	.779	79.5	76.5	3.0	75.3	.88	79.5	82.0	„	½ to 3					
9 „	.673	.749	80.5	78.3	2.2	77.5	.91	80.2	82.1	SW b W	¼ to 3¼					
10 „	.675	.729	81.2	79.0	2.2	78.2	.91	80.6	82.1	„	¼ to 2¾					
11 „	.672	.739	82.4	79.0	3.4	77.8	.86	81.3	82.3	„	¼ to 2		None.	None.	None.	None.
Noon.	.658	.742	82.0	78.5	3.5	77.2	.86	81.2	82.4	„	¼ to 2½					
1 p. m.	.634	.673	82.9	79.8	3.1	78.7	.88	81.7	82.4	SW	0·4					
2 „	.617	.666	83.8	79.8	4.0	78.4	.84	82.1	82.5	„	0.4					
3 „	.607	.678	83.1	79.1	4.0	77.6	.84	82.0	82.5	„	0.5					
4 „	.603	.733	77.8	76.2	1.6	75.6	.93	78.3	82.3	W b S	¼ to 1¼					
5 „	.597	.728	77.2	76.0	1.2	75.5	.95	78.2	82.3	WSW	¼ to 1¾					
6 „	.608	.748	78.0	76.0	2.0	75.2	.92	78.7	82.3	„	¼ to 1¾	0.01				
7 „	.622	.743	77.5	76.2	1.3	75.7	.94	78.3	82.1	SW b S	¼ to 1½					
8 „	.625	.728	78.2	77.0	1.2	76.5	.95	78.7	82.0	SW	¼ to 2½					
9 „	.643	.715	79.0	78.0	1.0	77.6	.96	79.1	82.1	„	0.5					
10 „	.656	.753	79.6	77.6	2.0	76.7	.92	79.5	82.1	„	1.0					
11 „	.656	.735	79.3	77.9	1.4	77.4	.94	79.3	82.1	„	0.7	0.02				
Aug. 4th–Midnight	.644	.725	79.8	78.0	1.8	77.3	.92	79.8	82.1	SW b S	0.7					
1 a. m.	.622	.722	79.4	77.4	2.0	76.6	.92	79.5	82.1	„	¼ to 1½					
2 „	.610	.711	78.7	77.2	1.5	76.6	.94	79.0	82.0	SW	¼ to 2½	0.02				
3 „	.604	.718	79.2	77.0	2.2	76.6	.91	79.1	82.0	„	¼ to 1¾					
4 „	.608	.709	79.3	77.1	2.2	76.7	.91	79.2	82.0	„	¼ to 1½					
5 „	.622	.717	79.6	77.6	2.0	76.8	.92	79.6	82.0	„	0.4					
6 „	.630	.709	79.6	78.0	1.6	77.4	.93	79.7	82.0	„	0.2					
7 „	.648	.730	79.9	78.0	1.9	77.3	.92	80.0	82.1	„	0·5					
8 „	.656	.722	80.4	78.5	1.9	77.8	.92	80.0	82.1	„	0.5					
9 „	.680	.735	82.4	79.3	3.1	78.2	.87	81.8	82.3	„	0.6					
10 „	.680	.737	83.4	79.5	3.9	78.1	.85	82.4	82.4	„	0.8					
11 „	.679	.764	84.0	79.0	5.0	77.2	.81	82.9	82.5	„	0.6		None.	None.	None.	None.
Noon.	.683	.758	80.8	78.4	2.4	77.5	.91	80.6	82.4	WSW	¼ to 2	0·05				
1 p. m.	.660	.694	83.2	80.0	3.2	78.9	.87	82.0	82.5	„	0 to 1¾					
2 „	.655	.701	84.3	80.0	4.3	78.5	.83	82.8	82.5	„	0.2	0.01				
3 „	.649	.730	83.6	79.0	4.6	77.5	.82	83.0	82.6	„	0.4					
4 „	.640	.745	82.0	78.0	4.0	76.5	.84	81.4	82.5	„	0·3					
5 „	.644	.705	81.8	79.0	2.8	78.0	.89	81.0	82.5	„	0.1					
6 „	.648	.760	80.9	77.5	3.4	76.2	.86	80.8	82.5	„	0.1					
7 „	.654	.781	80.4	77.0	3.4	75.7	.86	80.4	82.5	SW b W	0.1					
8 „	.666	.789	80.0	77.0	3.0	75.8	.88	80.0	82.4	WSW	0.6					
9 „	.678	.782	79.8	77.4	2.4	76.5	.90	80.0	82.4	SW b W	0·3					
10 „	.686	.792	79.6	77.0	2.6	76.0	.89	79.9	82.3	„	0.2					
11 „	.678	.779	79.4	77.0	2.4	76.1	.90	79.8	82.3	SW	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩≀ cumuli; ⌣≀ cirro-strati; ∩≀ cumulo-strati; and ≀≀≀ nimbi.	
8	B	Overcast with ≀≀ and ≀≀, the former moving E.	
8	C	Overcast with ≀≀, moving ENE.	
8	C	" "	
8	C	" "	
8	C	Overcast; drizzling rain after 4h. 1m.	
8	R	Overcast; rain ceased at 5h. 35m.	
8	R	Overcast; a smart shower of rain at 6h. 40m., which lasted 5m.	
8	R	Overcast; a passing shower of rain at 7h. 30m.	
8	R	Overcast; a very light shower of rain from 8h. 38m. to 8h. 46m.	
8	B	Overcast; a few drops of rain at 9h. 8m.	
8	B	Overcast; drizzling rain between 10h. 0m. and 10h. 11m.	
8	B	Overcast; light rain at 11h. 6m., which lasted 10m.	
8	B	Overcast with ≀≀, moving ENE; light rain from 0h. 29m. to 0h. 37m.	Mean daily temperature of ground 20 and 60 inches below its surface 83°9 and 85°0. Daily fall of rain by Osler's Gauge 0·18in.
8	C	Overcast; a few drops of rain at 1h. 43m.	
8	C	Overcast; no rain.	
8	C	" "	
8	C	Overcast; light rain at 4h. 52m., which lasted 5m.	
8	R	Overcast; light rain at 5h. 20m., which lasted 2m.	
8	R	Overcast; drizzling rain at 6h. 18m., which lasted 7m.	
8	R	Overcast; no rain.	
8	R	" "	
8	B	" "	
8	B	" "	
8	B	" "	
8	B	" "	
8	C	" "	
8	C	" "	
8	C	Overcast; drizzling rain after 3h. 16m.	
8	C	Overcast; raining.	
8	R	Overcast; rain ceased at 5h. 0m., but recommenced at 5h. 55m.	
8	R	Overcast; rain ceased 6h. 17m.	
8	R	Overcast with ≀≀, moving E.	
8	R	" "	
8	B	Overcast; drizzling rain between 9h. 17m. and 9h. 26m.	
8	B	Overcast; a passing shower of rain at 10h. 22m.	
8	B	Overcast; no rain.	
8	B	Overcast with ≀≀, moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 83°9 and 85°0. Daily fall of rain by Osler's Gauge 0·07in.
8	C	Overcast with ≀≀, moving ENE; light rain at 1h. 54m., which lasted 5m.	
8	C	Overcast; no rain.	
8	C	" "	
8	C	" "	
8	R	" "	
8	R	" "	
8	R	Overcast; light drizzling rain from 7h. 14m. to 7h. 19m.	
8	R	Overcast with ≀≀ and ≀≀, both moving ENE.	
8	B	" " "	
7	B	≀≀ about hor.; ≀≀ scattered throughout, moving ENE.	
8	B	Overcast with ≀≀ and ≀≀, both moving ENE; drizzling rain from 11h. 22m. to 11h. 40m.	
8	B	Overcast with ≀≀, moving E; drops of rain at 0h. 53m.	
8	C	Overcast with ≀≀, moving ENE; light rain at 1h. 17m.	
7	C	≀≀ about hor., moving ENE; ≀ and ≀≀ scattered throughout.	
8	C	Overcast with ≀≀ and ≀≀, the former moving ENE.	
8	C	" " "	
8	C	" " "	
8	C	" " "	
7	C	≀≀ around hor.; ≀≀ scattered throughout.	
4	C	" "	
7	C	" "	
6	C	≀≀ and ≀ scattered about, the former moving ENE; a few drops of rain at 10h. 26m.	
7	C	Densely clouded with ≀≀ and ≀, the former moving ENE.	

Bombay Civil Time. 1860.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 feet in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or−	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Aug. 6th-Midnight	29.689	28.819	79°6	76°7	2°9	76°3	0.88	79°9	82°7	WSW	0.2					
1 a. m.	.662	.778	79.4	77·0	2.4	76.1	.90	79.8	82.7	SW	0·2					
2 „	.646	.762	79.4	77.0	2.4	76.1	.90	79.8	82.6	SW,b W	0.1					
3 „	.632	.776	78.4	76.0	2.4	75.1	.90	79.0	82.5	W b S	0.4	0.05				
4 „	.634	.757	78.2	76.5	1.7	75.8	.93	78.9	82·5	SW b W	0.1					
5 „	.645	.759	77.8	76.6	1.2	76.1	.95	77.5	82.3	W b N	1·0	0.63				
6 „	.650	.755	78.4	77.0	1.4	76.5	.94	78.8	82.4	„	1.3	0.29				
7 „	.668	.771	78.2	77.0	1.2	76.4	.95	78.7	82.4	W	1·0					
8 „	.683	.792	79.1	77.1	2.0	76.3	.92	79.2	82.3	„	0.2	0.01				
9 „	.712	.804	80.9	78.0	2.9	76.9	.88	80.4	82.4	WSW	0·6					
10 „	.705	.781	80.6	78.3	2.3	77·5	.90	80.2	82.4	„	0.5					
11 „	.702	.760	82.3	79.2	3.1	78.1	.87	81.4	82·5	SW b W	0·2					
Noon.	.691	.782	82.7	78.5	4.2	76.9	.84	81.9	82.6	W	0·3		None.	None.	None.	None.
1 p. m.	.672	.757	84.0	79.0	5.0	77.2	.81	82.7	82.7	W b S	0·2					
2 „	.654	.749	83.0	78·5	4.5	76.8	.83	82.0	82.6	W b N	0.6					
3 „	.644	.747	81.8	78.0	3.8	76.6	.85	81.2	82.5	„	0·2					
4 „	.637	.808	78.3	75.3	3.0	74.1	.87	79.1	82.5	W	0.6	0.16				
5 „	.631	.714	80.0	78.0	2.0	77.2	.92	80.1	82.5	W b S	0·3					
6 „	.645	.732	79.6	77.8	1.8	77.1	.92	79·9	82.5	„	0.2	0.04				
7 „	.649	.744	79.6	77.6	2.0	76.8	.92	79.9	82.5	„	0.2					
8 „	.665	.746	79.8	78.0	1.8	77.3	.92	79.9	82.5	WSW	0.1					
9 „	.691	.805	79.2	77.0	2.2	76.1	.90	79.3	82.4	„	0.2	0.03				
10 „	.704	.789	79.4	77.8	1.6	77·2	.92	79.6	82.4	„	0.2					
11 „	.690	.798	79·4	77.2	2.2	76.4	.90	79.5	82.4	„	0.2					
Aug. 7th-Midnight	.674	.772	79.2	77.4	1.8	76.7	.92	79.3	82.4	SW b W	0.2					
1 a. m.	.648	.733	79.4	77.8	1.6	77.2	.93	79.5	82.3	„	0.3					
2 „	.628	.740	79.0	77.0	2.0	76.2	.92	79.2	82.3	„	0.1					
3 „	.626	.738	79.0	77.0	2.0	76.2	.92	79.1	82.2	„	0.3					
4 „	.626	.740	79.2	77.0	2.2	76.1	.91	79.3	82·2	WSW	0.5					
5 „	.628	.742	79.2	77.0	2.2	76.1	.91	79·5	82.3	„	0.5					
6 „	.648	.760	79.0	77.0	2.0	76.2	.92	79.1	82.3	„	0.2					
7 „	.663	.756	79.4	77.6	1.8	76.9	.92	79·7	82.3	„	0.2					
8 „	.669	.730	80.7	78.7	2.0	78.0	.92	80.4	82.3	SW b W	0.3					
9 „	.696	.761	82.9	79·2	3.7	77.8	.85	81.9	82.5	W b S	0.1					
10 „	.697	.771	83.0	79.0	4.0	77.5	.84	82.0	82·5	„	0.2					
11 „	.691	.762	82·7	79.0	3.7	77.6	.85	81.9	82.6	„	0.2					
Noon.	.672	.686	85.3	81.0	4.3	78.9	.83	83.5	82.8	SW	0.3		None.	None.	None.	None.
1 p. m.	.642	.689	84.4	80.0	4.4	78.4	.83	83.1	82.8	SW b W	0.3					
2 „	.625	.687	84.2	79.6	4.6	77.9	.82	83.0	82.9	WSW	0.4					
3 „	.609	.680	83.1	79.1	4.0	77.6	.84	82.7	82.8	„	0.5					
4 „	.596	.700	82.3	78·1	4.2	76.5	.83	81·8	82.8	„	0.4					
5 „	.584	.699	81.1	77.5	3.6	76.1	.85	81.0	83.0	„	0.2					
6 „	.596	.721	80.2	77.0	3.2	75.8	.87	80·6	82.9	„	0.2					
7 „	.612	.732	79.7	77.0	2.7	75.9	.89	80.0	82.8	„	0.6					
8 „	.632	.723	80.1	77.7	2.4	76.8	.90	80.1	82.8	„	0.4					
9 „	.635	.772	77.7	76.0	1.7	75.3	.93	78.6	82·5	„	1.8	0.08				
10 „	.651	.788	77.7	76·0	1.7	75.3	.93	78.5	82.5	„	0.2	0.01				
11 „	.646	.772	76.7	76.0	0.7	75.7	.97	77.7	82.3	„	0.8	0.33				
Aug. 8th-Midnight	.636	.765	77.0	76.0	1.0	75.6	.96	77.9	82.2	WSW	0.5	0.03				
1 a. m.	.608	.729	77.0	76.2	0.8	75.9	.96	77.9	82.1	„	1.0	0.09				
2 „	.590	.719	77.0	76.0	1.0	75.6	.96	77.8	82.1	„	0·7	0.01				
3 „	.584	.683	77.8	77.0	0.8	76.7	.96	78.2	82.0	SW	0.4					
4 „	.590	.734	76.6	75.5	1.1	75.1	.95	77.7	82.0	WSW	0.5	0.15				
5 „	.600	.706	77.4	76.7	0.7	76.4	.97	78.0	82.0	„	0.4		None.	None.	None.	None.
6 „	.613	.713	77.9	77.0	0.9	76.6	.96	78.5	82.0	„	0.2					
7 „	.623	.721	78.5	77.2	1.3	76.7	.95	78.9	82.0	„	0·3	0.01				
8 „	.633	.754	77.7	76.4	1.3	75.9	.95	78.5	82.0	„	0.4					
9 „	.652	.765	76.9	76.4	0.5	76.2	.98	77.5	81.8	W	0·2	0.04				
10 „	.649	.740	78.2	77.3	0.9	76.9	.96	78.3	81.8	W b S	0.2	0.05				
11 „	.636	.731	77.8	77.1	0.7	76.8	.97	78.1	81.8	„	0.2	0.15				

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≤≤ cirro-cumuli; ∩ cumuli; ≤ cirro-strati; ∩ cumulo-strati; and ≤∩ nimbi.	
8	B	Overcast with ≤∩ and ≤≤, the former moving ESE.	Mean daily temperature of ground 20 and 60 inches below its surface 83°8 and 84°9. Daily fall of rain by Osler's Gauge 1.20in.
8	C	Overcast with ≤∩ and ≤≤, the former moving E.	
8	C	Overcast; showers of rain at 2h. 17m. and 2h. 36m., which lasted 3m.	
8	C	Overcast; no rain.	
8	C	Overcast; rain commenced at 4h. 21m.	
8	R	Overcast; raining.	
8	R	Overcast; rain ceased at 6h. 14m.	
8	R	Overcast; raining between 7h. 0m. and 7h. 8m.	
8	R	Overcast; no rain.	
8	B	Overcast; drizzling from 9h. 6m. to 9h. 16m.	
8	B	Overcast; no rain.	
8	B	" "	
8	B	" "	
8	C	" "	
8	C	" "	
8	C	Overcast; drizzling rain between 3h. 2m. and 3h. 30m	
8	C	Overcast; no rain.	
8	R	Overcast; passing shower of rain at 5h. 55m.	
8	R	Overcast; no rain.	
7	R	Densely clouded with ≤≤ and ≤∩, the latter moving E.	
8	R	Overcast; a passing shower of rain at 8h. 38m., afterwards light rain.	
8	B	Overcast; rain ceased at 9h. 3m.	
7	B	Densely clouded with ≤∩ and ≤≤, the former moving E.	
7	B	" " "	
7	B	Densely clouded with ≤∩ and ≤≤, the former moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 83°8 and 85°0. Daily fall of rain by Osler's Gauge 0.43in.; the Height of Standard Barometer at 5 P. M. was 29.584in., smallest during the month, and about 0.083in. smaller than the Normal Mean.
6	C	≤∩ and ≤≤ scattered throughout.	
6	C	Densely clouded; a few drops of rain at 2h. 43m.	
7	C	Densely clouded with ≤∩ and ≤≤, the former moving E.	
6	C	≤∩ around hor.; ≤ and ≤≤ scattered throughout.	
8	R	Overcast with ≤∩ and ≤≤, the former moving E.	
8	R	" " "	
8	R	≤∩ around hor., moving ENE; ≤ and ≤≤ scattered throughout.	
8	R	Overcast with ≤∩ and ≤≤, the former moving E.	
8	B	Overcast.	
8	B	"	
8	B	"	
7	B	Densely clouded with ≤∩ and ≤≤, the former moving ENE.	
8	C	Overcast with ≤∩ and ≤≤, the former moving ENE.	
8	C	Overcast.	
8	C	"	
8	C	"	
8	R	Overcast; a few drops of rain at 5h. 0m.	
8	R	Overcast; no rain.	
8	R	Overcast with ≤∩, moving NE.	
8	R	Overcast; rain between 8h. 10m. and 8h. 45m.	
8	B	Overcast; a passing shower of rain at 9h. 52m.	
8	B	Overcast; light rain at 10h. 12m., which ceased at 10h. 18m., but recommenced at 10h. 25m.	
8	B	Overcast; rain ceased at 11h. 20m.	
8	B	Overcast with ≤∩, moving E; drizzling rain after the time of observation.	Mean daily temperature of ground 20 and 60 inches below its surface 83°6 and 84°9. Daily fall of rain by Osler's Gauge 0·55in.
8	C	Overcast; rain ceased at 1h. 34m.	
8	C	" "	
8	C	Overcast; rain commenced at 3h. 32m.	
8	C	Overcast; rain ceased at 4h. 30m.	
8	R	Overcast; no rain.	
8	R	Overcast with ≤∩, moving NE; light rain at 6h. 45m., which ceased at 6h. 50m.	
8	R	Overcast; drizzling rain commenced at 7h. 55m.	
8	R	Overcast; rain ceased at 8h. 0m.	
8	B	Overcast; rain commenced at 9h. 17m.	
8	B	Overcast; rain ceased at 10h. 5m., but two showers of rain afterwards.	
8	B	Overcast; rain ceased at 11h. 6m.	

Bombay Civil Time. 1860.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in seconds before same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Aug. 8th-Noon.	29.632	28.693	81°8	79°0	2°8	78°0	0.89	80°8	82·0	SW	0.8					
1 p. m.	.617	.651	82.4	79.8	2.6	78.7	.89	81.3	82.2	,,	0.7					
2 ,,	.604	.697	82.4	78.4	4.0	76.9	.84	81.4	82.2	,,	0.6					
3 ,,	.586	.689	81.8	78.0	3.8	76.5	.85	81.0	82.2	,,	0.6					
4 ,,	.593	.675	81.4	78.4	3.0	77.3	.88	80.8	82.2	SW b S	0.5					
5 ,,	.586	.676	80.6	78.0	2.6	77.0	.89	80.6	82.3	SSW	0.5	None.	None.	None.	None.	None.
6 ,,	.596	.723	80.4	77.0	3.4	75.7	.86	80.4	82.3	SW	0.5					
7 ,,	.613	.739	80.3	77.0	3.3	75.7	.86	80.1	82.2	,,						
8 ,,	.630	.744	79.2	77.0	2.2	76.1	.91	79.5	82.2	SW b W	0·8					
9 ,,	.650	.800	78.9	76.0	2.9	74.8	.89	79.1	82.1	,,	0·1					
10 ,,	.654	.799	79.2	76.2	3.0	75.0	.88	79.2	82.1	SW	0.7					
11 ,,	.652	.768	79.4	77.0	2.4	76.1	.90	79.4	82.1	,,	0.8					
Aug. 9th-Midnight	.640	.795	77.6	75.5	2.1	74.7	.91	78.2	82.0	SW b W	0.3	0·04				
1 a. m.	.623	.745	77.8	76·4	1.4	75.9	.94	78.4	82.0	,,	0.5					
2 ,,	.613	.777	76.6	75.0	1.6	74.3	.93	77.3	81.8	W	0.5	0.23				
3 ,,	.617	.733	77·2	76.4	0.8	76.1	.96	77.9	81.8	W b S	0.7	0.04				
4 ,,	.631	·728	77.6	77.0	0.6	76.7	.97	78.1	81.7	WSW	½ to 1½	0.14				
5 ,,	.638	.763	76.6	76.0	0.6	75.8	.97	77.5	81·6	,,	0.5	0.07				
6 ,,	.656	.749	77.3	77.0	0.3	76.9	.99	78.0	81.6	SW b W	0.2	0.10				
7 ,,	.670	.767	77.6	77·0	0.6	76·7	.97	78.0	81.5	,,	0.2	0.02				
8 ,,	.685	.801	77.6	76.5	1.1	76.1	.95	78.1	81.7	SW	½ to 1½	0.01				
9 ,,	.703	.852	78.8	76.0	2.8	74.9	.88	79.2	81.7	,,	½ to 1½	0.08				
10 ,,	.702	.753	80.9	79.0	1.9	78.3	.92	80.2	81.7	SSW	½ to 1½					
11 ,,	.712	.783	82·7	79.0	3.7	77.6	.85	81.2	81.9	,,	0.2					
Noon.	.706	.749	84.0	80.0	4.0	78·6	.84	82.1	82.1	,,	0.2		None.	None.	None.	None.
1 p. m.	.682	.742	84.8	79.8	5.0	78.0	.81	82.3	82.2	,,	0·4					
2 ,,	·678	.730	85.6	80.2	5.4	78.3	.80	83.2	82·4	,,	0.5					
3 ,,	.677	.762	80.2	78·0	2.2	77.2	.91	80·6	82.2	,,	0.5	0·03				
4 ,,	.673	.739	82.3	79.0	4.3	77.8	.87	81.2	82.3	,,	0.6					
5 ,,	.676	.778	81.7	78.0	3.7	76.6	.85	81.2	82.4	,,	0.3					
6 ,,	.680	.702	78.1	76.5	1.6	75.9	.93	79.1	82.2	,,	0.3	0.04				
7 ,,	·708	.815	78·5	77·0	1.5	76.4	.94	79.0	82.1	SW b W	0·3	0.06				
8 ,,	.727	.849	78.1	76.5	1.6	75.9	.93	78.9	82.0	W b S	0.2					
9 ,,	.744	.851	79.2	77.2	2.0	76.4	.92	79.3	82.1	SW	0.2					
10 ,,	.752	.867	79.4	77.2	2.2	76.1	.91	79.4	82.1	,,	0.2					
11 ,,	.752	·868	79·4	77.0	2.4	76.1	.90	79.2	82.1	,,	0·8	0·03				
Aug. 10th-Midnight	.741	.843	7.88	77.2	1.6	76.6	.93	79.0	82.0	SW b S	0.2	0.02				
1 a. m.	.723	.827	78.3	77.0	1.3	76.5	.94	78.8	81·9	,,	0.8					
2 ,,	.714	.815	78.1	77.1	1.0	76.6	.96	78.7	81.9	,,	0.7	0.04				
3 ,,	.717	.820	77.4	76.8	0.6	76.5	.97	78.0	81.8	,,	0·4	0.03				
4 ,,	.726	.828	78.8	77.2	1.6	76.6	·93	79.0	81·8	,,	0.3					
5 ,,	.735	.824	78.8	77.5	1.3	77.0	.95	79.0	81.8	,,	0.5	0.02				
6 ,,	.760	.849	78.8	77.5	1·3	77.0	·95	79.0	81.9	,,	0.2					
7 ,,	.783	.874	80.0	77.8	2.2	76.9	·91	79.9	82.0	,,	0.3					
8 ,,	.797	.849	81.9	79.0	2.0	78.3	.92	80.7	82.0	,,	0.3					
9 ,,	.819	.879	82·7	79.3	3.4	78.1	·86	81.5	82.0	,,	0.6					
10 ,,	.821	.862	83.8	80.0	3.8	78.6	.85	82.1	82.2	,,	0.6					
11 ,,	.816	.849	85.0	80.5	4·5	78.9	.83	83.0	82.4	,,	0.2		None.	None.	None.	None.
Noon.	.807	.845	85.5	80.5	5.0	78.7	.81	83.4	82.5	,,	0.6					
1 p. m.	.787	.841	85·0	80.0	5.0	78.2	.81	83.3	82.5	WSW	0.2					
2 ,,	.775	.794	81.8	80.0	1.8	79.3	.92	81.4	82.4	SW	0.2	0.18				
3 ,,	.759	.787	82.6	80.0	2.6	79.1	.90	81.9	82.5	SW b W	0.4					
4 ,,	.744	.789	84.2	80.0	4.2	78.5	.84	82.7	82.6	,,	0.3					
5 ,,	.745	·805	82.8	79.3	3.5	78.0	.86	82.2	82.7	,,	0.3					
6 ,,	.757	.826	81.4	78.7	2.7	77.7	.89	81.4	82.7	,,	0.3					
7 ,,	.770	.859	80.5	78.0	2.5	77.0	.90	80.7	82.5	,,	0.2					
8 ,,	.779	.853	79.2	78.0	1.2	77.5	.95	79.9	82.5	SW	0.1	0.10				
9 ,,	.791	.897	79.2	77.2	2.0	76.4	.92	79.5	82.5	,,	0.2					
10 ,,	.801	.911	79.6	77·2	2.4	76.3	.90	79.8	82.5	WSW	0.3	0.01				
11 ,,	.779	.878	78.8	77.0	1·8	76.7	.92	79.4	82.4	SW	0.3	0.01				

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌒i cirri; ⌒i cirro-cumuli; ⌒i cumuli; ⌒i cirro-strati; ⌒i cumulo-strati; and ⌒i nimbi.	
8	B	Overcast; no rain.	
8	C	" "	
8	C	" "	
8	C	" "	
8	C	" "	
8	R	" "	
8	R	" "	
8	R	" "	
8	R	" "	
7	B	Densely clouded with ⌒i and ⌒i, the former moving E.	
7	B	" " "	
8	B	Overcast; light rain at 11h. 48m., which lasted 5m.	
8	B	Overcast with ⌒i, moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 83°6 and 84°9. Daily fall of rain by Osler's Gauge 0.93in.; reading of Wet Bulb Thermometer at 2 A. M. was 75°0, smallest during the month, and about 2°0 smaller than the Normal Mean.
8	C	Overcast; a shower of rain at 1h. 36m., which lasted till the end of the hour.	
8	C	Overcast; light rain.	
8	C	Overcast; raining.	
8	C	" "	
8	R	" "	
8	R	Overcast; a shower of rain at 6h. 28m.	
7	R	Densely clouded; a shower of rain at 7h. 40m.	
7	R	Densely clouded; rain commenced at 8h. 52m.	
8	B	Overcast; rain ceased at 9h. 10m.	
7	B	Densely clouded with ⌒i and ⌒i, both moving ENE.	
7	B	Clouded as before.	
7	B	" "	
7	C	" "	
5	C	⌒i around hor., ⌒i scattered about; drizzling rain between 2h. 26m. and 3h. 54m.	
8	C	Overcast with ⌒i, moving ENE.	
5	C	Densely clouded with ⌒i and ⌒i, both moving ENE.	
7	R	⌒i and ⌒i scattered about; light rain between 5h. 23m. and 5h. 36m.	
7	R	Densely clouded with ⌒i and ⌒i, the former moving NE; light rain at 6h. 52m., which lasted 8m.	
8	R	Overcast with ⌒i, moving ENE.	
8	R	" "	
3	B	⌒i scattered about hor., moving E.	
5	B	⌒i scattered about, moving ENE.	
7	B	Densely clouded with ⌒i, moving NE; a shower of rain at 11h. 4m., which lasted 4m.	
7	B	Densely clouded with ⌒i, moving ENE.	Mean daily temperature of ground 20 and 60 inches below its surface 83°6 and 84°9. Daily fall of rain by Osler's Gauge 0·39in.
7	C	Densely clouded; a shower of rain at 1h. 37m., which lasted 5m.	
8	C	Overcast; light rain at 2h. 17m., which lasted 12m.	
8	C	Overcast; no rain.	
8	C	Overcast; a shower of rain at 4h. 23m., which lasted 5m.	
8	R	Overcast; no rain.	
8	R	" "	
4	R	⌒i scattered about hor., moving NE.	
3	R	" "	
3	B	" "	
5	B	" "	
3	B	" "	
7	B	Densely clouded with ⌒i and ⌒i, the former moving NE.	
8	C	Overcast with ⌒i, moving ENE; drizzling rain between 1h. 10m. to 1h. 47m.	
6	C	⌒i and ⌒i scattered throughout; drizzling rain after 2h. 55m.	
8	C	Overcast; drizzling rain ceased at 3h. 8m.	
7	C	Densely clouded with ⌒i and ⌒i, both moving ENE.	
5	R	⌒i and ⌒i scattered about, moving ENE.	
6	R	" " "	
5	R	⌒i & ⌒i scattered about, the former moving NE; shower of rain at 7h. 23m., which lasted 4m.	
4	R	⌒i scattered about hor., moving NE.	
4	B	" " "	
8	B	Overcast with ⌒i, moving NE; showers of rain at 10h. 2m. and at 10h. 40m.	
6	B	⌒i scattered throughout, moving ENE; a few drops of rain at 11h. 20m.	

Bombay Civil Time. 1860.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in seconds between same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Aug. 11th-Midnight	29.771	28.905	78°2	76°2	2°0	75°4	0.92	78°9	82°3	SW	0.3					
1 a. m.	.748	.855	78·5	77.0	1.5	76.4	.94	79.1	82.3	„	0.2					
2 „	.732	.842	78·8	77.0	1.8	76.3	.92	79.1	82.2	„	0.1					
3 „	.730	.850	78.3	76.6	1.7	75.9	.93	78.8	82.1	„	0.4	0.03				
4 „	.726	.842	78.4	76.8	1.6	76.1	.93	78.8	82.1	„	0.4					
5 „	.724	.834	78.8	77.0	1.8	76.3	.92	79.0	82.1	„	0.3					
6 „	.742	.850	78.6	77.0	1.6	76.4	.93	79.0	82.1	SW b W	0.2					
7 „	.750	.826	79.4	78.0	1.4	77.5	.94	79.7	82.1	„	0.2					
8 „	.765	.852	80.4	78.0	2.4	77.1	.90	80.0	82.1	„	0.1					
9 „	.777	.911	81.0	77.0	4.0	75.4	.84	80.6	82.3	„	0.2	0.01				
10 „	.777	.869	80.8	78.0	2.8	76.9	.89	80.9	82.3	WSW	0.3					
11 „	.775	.797	84.0	80.5	3.5	79.3	.85	82.3	82.4	„	0.2					
Noon.	.763	.784	82.0	80.0	2.0	79.3	.92	81.6	82.5	W b S	0.5	0.06	None.	None.	None.	None.
1 p. m.	.742	.753	85.0	81.0	4.0	79.6	.84	83.2	82.6	WSW	0.5					
2 „	.722	.796	83.7	79.2	4.5	77.5	.82	82.5	82.6	W b N	0.6					
3 „	.712	.792	82.8	78.8	4.0	79.3	.84	82.0	82.5	„	0.7					
4 „	.694	.860	80.4	76.0	4.4	74.3	.82	80.3	82.5	„	0.7					
5 „	.690	.791	81.6	78.0	3.6	76.6	.86	81.0	82.5	WSW	0.3					
6 „	.696	.792	81.2	78.0	3.2	76.8	.87	81.0	82.5	„	0.2					
7 „	.698	.785	80.4	78.0	2.4	77.1	.90	80.5	82.5	„	0.2					
8 „	.716	.805	80.5	78.0	2.5	77.0	.90	80.5	82.5	„	0.1					
9 „	.731	.826	80.3	77.8	2.5	76.8	.90	80.3	82.5	„	0.3					
10 „	.743	.846	80.0	77.5	2.5	76.5	.90	80.0	82.5	„	0.3					
11 „	.734	.864	79.7	77.0	2.7	75.9	.89	79.9	82.4	SW b W	0.1					
Aug. 12th-Midnight	.728	.849	79.8	77.0	2.8	75.9	.88	79.9	82.3	SW	0.8					
1 a. m.	.710	.854	79.4	76.3	3.1	75.1	.87	79.6	82.3	„	0.4					
2 „	.691	.736	79.2	76.2	3.0	75.0	.88	79.4	82.3	„	0.3					
3 „	.679	.812	79.1	76.5	2.6	75.5	.89	79.1	82.2	SW b S	0.2					
4 „	.687	.801	79.2	77.0	2.2	76.1	.91	79.2	82.2	„	0.2					
5 „	.682	.796	79·2	77.0	2.2	76.1	.91	79.3	82.2	SSW	0.2					
6 „	.683	.825	78.2	76.0	2.2	75.1	.91	79.0	82.2	SW	0.2					
7 „	.697	.811	79.2	77.0	2.2	76.1	.91	79.4	82.2	„	0.2					
8 „	.704	.795	80.7	78.0	2.7	76.9	.89	80.3	82.2	„	0.4					
9 „	.724	.796	82.8	79.0	3.8	77.6	.85	81.8	82.4	„	0.3					
10 „	.732	.809	83.3	79.0	4.3	77.8	.83	82.1	82.4	SW b S	0·4					
11 „	.728	.797	84.4	79.4	5.0	77.7	.81	82.9	82.5	SW	0.3					
Noon.	.718	.805	84.2	79.0	5.2	77.1	.80	82.9	82.6	„	0.6		None.	None.	None.	None.
1 p. m.	.688	.703	85.4	81.0	4.4	79.5	.83	83.4	82.8	SW b S	0.3					
2 „	.672	.746	83.0	79.0	4.0	77.5	.84	82.3	82.7	„	0.3					
3 „	.667	.796	78.8	76.5	2.3	75.6	.90	79.6	82.5	WSW	½ to 2½	0.02				
4 „	.661	.788	78.6	76.5	2.1	75.7	.91	79.3	82.4	SW	0.3					
5 „	.665	.770	79.5	77.3	2.2	76.5	.91	79.6	82.4	„	0.6					
6 „	.675	.789	79.2	77.0	2.2	76.1	.91	79.4	82.4	„	0.3					
7 „	.687	.791	79.3	77.3	2.0	76.5	.92	79.5	82.4	SW b S	0.2					
8 „	.699	.791	79.6	77.4	2.2	76.6	.91	79.9	82.4	SW	0.2					
9 „	.710	.821	80.0	77.3	2.7	76.3	.89	80.0	82.5	„	0.4					
10 „	.708	.792	80.1	78.0	2.1	77.2	.91	80.1	82.5	„	0·3					
11 „	.705	.790	80.2	78.0	2.2	77.2	.91	80.1	82.4	SSW	0.3					
Aug. 14th-Midnight	.684	.776	79.0	77.5	1.5	76.9	.93	79.3	82.3	SW	0.3	0.01				
1 a. m.	.668	.762	79.2	77.5	1.7	76.8	.92	79.4	82.3	„	0.5					
2 „	.660	.774	79.2	77.0	2.2	76.1	.91	79.3	82.2	„	0.5					
3 „	.647	.731	79.3	77.8	1.5	77.2	.93	79.4	82.2	„	0.7					
4 „	.648	.756	79.4	77.2	2.2	76.4	.91	79.4	82.2	„	0.4					
5 „	.654	.773	79.6	77.0	2.6	76.0	.89	79.6	82.2	„	0.4					
6 „	.672	.764	79.7	77.7	2.0	76.9	.92	79.8	82.3	„	0.4		None.	None.	None.	None.
7 „	.693	.835	78.2	76.0	2.2	75.1	.91	79.0	82.2	W b S						
8 „	.704	.833	77.0	76.0	1.0	75.6	.96	78.0	82.0	WSW	0.5					
9 „	.724	.860	77.6	76.0	1.6	75.4	.93	78.5	82.0	SSW	0.3					
10 „	.725	.842	80.2	77.2	3.0	76.0	.88	79.9	82.1	„	0.4					
11 „	.725	.885	80.8	76.3	4.5	74.5	.82	80.3	82.1	„	0.4	0.01				

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∿ cirri; ∿ cirro-cumuli; ∩ cumuli; ⌒ cirro-strati; ∩ cumulo-strati; and ∿ nimbi.	
3	B	∿ scattered about hor.	Mean daily temperature of ground 20 and 60 inches below its surface 83°5 and 84°9. Daily fall of rain by Osler's Gauge 0·10in.
4	C	∿ around hor.; ∿ scattered in NE and E.	
7	C	Densely clouded with ∿ & ∿, both moving ENE; drizzling rain between 2h. 13m. & 2h. 20m.	
8	C	Overcast with ∿ and ∿, both moving ENE.	
6	C	∿ and ∿ scattered about, both moving ENE.	
6	R	Clouded as before; a passing shower of rain at 5h. 42m.	
6	R	Clouded as before; no rain.	
8	R	Overcast.	
8	R	"	
7	B	Densely clouded; a shower of rain at 9h. 0m., which lasted 2m.	
7	B	Densely clouded; no rain.	
5	B	∿ around hor.; ∿ scattered about; a shower of rain at 11h. 50m., which lasted 2m.	
7	B	Densely clouded with ∿ and ∿, both moving E.	
7	C	" "	
8	C	Overcast with ∿ and ∿, the former moving E.	
8	C	Overcast with ∿, moving E.	
8	C	" "	
7	R	Densely clouded with ∿, moving E.	
7	R	" "	
8	R	" "	
8	R	" "	
3	B	∿ scattered about, moving E.	
3	B	" "	
6	B	" "	
4	B	∿ scattered about, moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 83°5 and 84°9. Daily fall of rain by Osler's Gauge 0·02in.
7	C	" "	
4	C	" "	
4	C	" "	
8	C	Overcast with ∿, moving ENE.	
8	R	Overcast; a shower of rain at 5h. 20m.	
8	R	Overcast; no rain.	
8	R	Overcast; drizzling rain from 7h. 14m. to 7h. 20m.	
6	R	∿ and ∿ scattered throughout, both moving NE.	
6	B	" "	
7	B	∿ and ∿ scattered about, both moving ENE.	
7	B	" " "	
8	B	Overcast with ∿ and ∿, both moving NE.	
7	C	Densely clouded; a few drops of rain at 1h. 39m.	
7	C	Densely clouded; light rain at 2h. 37m., which ceased at 2h. 53m.	
8	C	Overcast with ∿, moving ENE; drizzling rain at 3h. 18m., which ceased at 3h. 47m.	
8	C	Overcast; no rain.	
8	B	" "	
8	B	" "	
8	B	Overcast; a few drops of rain at 7h. 16m.	
6	B	∿ and ∿ scattered about, both moving ENE.	
6	B	" " "	
8	B	Overcast with ∿, moving ENE.	
8	B	" "	
8	B	Overcast with ∿, moving ENE.	Mean daily temperature of ground 20 and 60 inches below its surface 83°5 and 84°8. Daily fall of rain by Osler's Gauge 00·3in.
6	C	Overcast.	
8	C	"	
8	C	"	
8	C	"	
8	R	"	
8	R	"	
8	R	Overcast; light drizzling rain at 7h. 20m., which ceased at 7h. 45m.	
8	R	Overcast; no rain.	
8	B	Overcast with ∿, moving NE.	
8	B	" "	
8	B	Overcast with ∿ moving ENE; light rain at 11h. 3m., which lasted 5m.	

Bombay Civil Time. 1860.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Aug. 14th–Noon.	29.716	28.849	80°3	77°6	2°7	76°5	0.89	80°1	82°1	SW	0.3	0.01				
1 p. m.	.694	.744	81.6	79.2	2.4	78.3	.90	80.9	82.2	SSW	0.1					
2 „	.675	.732	82.2	79.2	3.0	78.1	.88	81.6	82.3	SW	0.1					
3 „	.663	.772	82.4	78.0	4.4	76.3	.83	81.6	82.3	„	0.2					
4 „	.657	.762	82.0	78.0	4.0	76.5	.84	81.1	82.3	„	0.2					
5 „	.660	.789	80.5	77.0	3.5	75.6	.86	80.6	82.5	W	0.5					
6 „	.666	.766	79.8	77.5	2.3	76.6	.90	80.0	82.4	SW	0.1		None.	None.	None.	None.
7 „	.674	.790	79.4	77.0	2.4	76.1	.90	79.8	82.3	„	0.1					
8 „	.696	.819	80.0	77.0	3.0	75.8	.88	80.0	82.2	SW b S	0.6					
9 „	.714	.854	79.8	76.5	3.3	75.2	.86	79.8	82.2	„	0.2					
10 „	.713	.836	80.0	77.0	3.0	75.8	.88	80.0	82.2	„	0.3					
11 „	.707	.823	80.1	77.2	2.9	76.1	.88	80.0	82.3	SSW	0.3					
Aug. 15th–Midnight	.695	.818	80.0	77.0	3.0	75.6	.88	80.0	82.3	SW b S	0.3					
1 a. m.	.680	.785	78.4	77.0	1.4	76.5	.94	79.0	82.2	„	0.3					
2 „	.670	.782	79.0	77.0	2.0	76.2	.92	79.2	82.1	„	0.1					
3 „	.664	.812	78.7	76.0	2.7	74.9	.89	79.0	82.0	WSW						
4 „	.669	.802	77.4	76.0	1.4	75.5	.94	78.1	81.9	„	0.5					
5 „	.676	.803	76.8	76.0	0.8	75.7	.96	77.8	81.9	SW b W	0.4	0.02				
6 „	.694	.825	77.2	76.0	1.2	75.5	.95	78.0	82.0	„	0.2	0.01				
7 „	.715	.799	79.0	77.7	1.3	77.2	.95	79.2	82.0	SW	0.1					
8 „	.732	.764	79.0	76.5	2.5	75.5	.90	79.2	82.0	„	0.2	0.03				
9 „	.762	.889	78.8	76.5	2.3	75.7	.90	79.0	82.0	SW b W	0.6					
10 „	.765	.888	78.6	76.6	2.0	75.8	.92	79.0	81.9	SSW	0.4	0.01				
11 „	.761	.815	81.2	79.0	2.2	78.2	.91	80.6	82.0	SW	0.3					
Noon.	.755	.755	84.0	81.0	3.0	80.0	.88	82.1	82.2	„	0.3		None.	None.	None.	None.
1 p. m.	.730	.829	82.6	80.3	4.3	76.9	.83	81.9	82.3	„	0.2					
2 „	.714	.721	81.5	80.2	1.3	79.7	.95	80.9	82.1	WSW	0.1	0.04				
3 „	.694	.748	85.0	80.0	5.0	78.2	.81	83.0	82.4	„	0.2					
4 „	.684	.709	82.4	78.0	2.4	79.2	.90	82.0	82.5	SW b W	0.1	0.03				
5 „	.683	.772	82.5	78.5	4.0	77.0	.84	82.0	82.5	WSW	0.2					
6 „	.694	.798	80.1	77.5	2.6	76.5	.89	80.5	82.5	„	0.2					
7 „	.714	.801	80.4	78.0	2.4	77.1	.90	80.4	82.4	„	0.2					
8 „	.730	.817	80.4	78.0	2.4	77.1	.90	80.1	82.4	SW	0.1					
9 „	.742	.860	79.6	77.0	2.6	76.0	.89	80.0	82.3	SW b W	0.6					
10 „	.742	.875	79.1	76.5	2.6	75.5	.89	79.5	82.3	„	0.1					
11 „	.740	.852	79.4	77.1	2.3	76.2	.90	79.5	82.3	SW	0.1					
Aug. 16th–Midnight	.731	.854	78.6	76.6	2.0	75.8	.92	79.1	82.2	SW	0.3	0.03				
1 a. m.	.710	.822	79.0	77.0	2.0	76.2	.92	79.1	82.1	„	0.4					
2 „	.696	.814	78.8	76.8	2.0	76.0	.92	79.0	82.1	„	0.4					
3 „	.684	.826	78.2	76.0	2.2	75.1	.91	78.8	82.1	WSW	0.3					
4 „	.685	.796	78.2	76.8	1.4	76.3	.94	78.8	82.0	SW b S	0.2					
5 „	.685	.792	78.5	77.0	1.5	76.4	.94	79.0	82.0	„	0.2					
6 „	.701	.798	77.6	77.0	0.6	76.7	.97	78.5	82.0	S	0.2	0.02				
7 „	.724	.849	77.4	76.2	1.2	75.8	.95	78.4	82.0	SW b W	0.1	0.18				
8 „	.735	.873	77.8	76.0	1.8	75.2	.92	78.7	82.0	„	0.1	0.01				
9 „	.751	.831	79.0	77.8	1.2	77.3	.91	79.2	81.9	S b W	0.2					
10 „	.759	.814	82.0	79.2	2.8	78.2	.89	81.2	82.1	WSW	0.1					
11 „	.755	.817	83.9	77.5	6.4	77.9	.83	82.3	82.3	„	0.2					
Noon.	.749	.807	85.4	80.0	5.4	78.1	.79	83.2	82.4	„	0.5		None.	None.	None.	None.
1 p. m.	.713	.784	84.2	79.4	4.8	77.6	.81	82.8	82.4	W b S.	0.1					
2 „	.697	.733	83.4	80.0	3.4	78.8	.86	82.2	82.5	„	0.1					
3 „	.678	.724	84.3	80.0	4.3	78.5	.83	82.8	82.5	W	0.1					
4 „	.670	.740	84.6	79.5	5.1	77.7	.80	83.0	82.7	W b S.	0.1					
5 „	.674	.796	83.5	78.0	5.5	75.9	.79	82.0	82.7	„	0.2					
6 „	.681	.803	81.8	77.5	4.3	75.9	.83	81.5	82.7	SW b W	0.1					
7 „	.695	.801	80.6	77.6	3.0	76.4	.88	80.8	82.5	SW	0.1					
8 „	.714	.817	80.3	77.6	2.7	76.5	.89	80.4	82.5	SW b W	0.1					
9 „	.737	.875	78.2	76.1	2.1	75.3	.91	79.0	82.4	SW	0.1	0.05				
10 „	.742	.824	79.2	77.3	1.4	77.3	.94	79.8	82.4	SW b W	0.1					
11 „	.726	.804	79.5	78.0	1.5	77.4	.94	79.9	82.5	„	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∿ cirri; ≀∿ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩⌣ cumulo-strati; and ≀∿ nimbi.	
8	B	Overcast; no rain.	
8	C	" "	
8	C	" "	
8	C	" "	
8	C	" "	
8	R	" "	
8	R	Overcast; light drops of rain at 6h. 5m.	
8	R	Overcast; no rain.	
8	R	" "	
8	B	" "	
8	B	" "	
8	B	" "	
8	B	Overcast with ≀∿, moving NE; drizzling rain at 0h. 20m., which lasted 10m.	Mean daily temperature of ground 20 and 60 inches below its surface 83°5 and 84°7. Daily fall of rain by Osler's Gauge 0·14in.; the Temperature of Evaporation at Noon was 8°10, greatest in the month, and about 1°9 greater than the Normal Mean.
8	C	Overcast; no rain.	
8	C	" "	
8	C	Overcast; drizzling rain at 3h. 3m., which lasted 4m.	
8	C	Overcast; drizzling rain at 4h. 20m.	
8	R	Overcast; rain ceased at 5h. 30m.	
8	R	Overcast; no rain.	
8	R	Overcast; rain commenced at 7h. 45m.	
8	R	Overcast; rain ceased at 8h. 6m.	
8	B	Overcast with ≀∿, moving ENE; drizzling rain from 9h. 0m. to 9h. 40m.	
8	B	Overcast; no rain.	
8	B	" "	
7	B	≀∿ around hor.; ≀∿ scattered throughout; drizzling rain after 0h. 58m., which lasted 4m.	
8	C	Overcast; rain commenced at 1h. 25m., ceased at 1h. 51m.	
4	C	≀∿ scattered about hor., moving E.	
5	C	≀∿ scattered about; light rain at 3h. 17m., which lasted 4m.	
6	C	≀∿ scattered about.	
6	R	≀∿ and ∿ scattered about, both moving E.	
8	R	Overcast with ≀∿ and ∿, the former moving E.	
8	R	Overcast with ≀∿, moving E.	
8	R	" "	
7	B	≀∿ scattered throughout.	
7	B	" "	
7	B	Densely clouded; a shower of rain at 11h. 28m., which lasted 5m.	
3	B	≀∿ scattered about hor.	
8	C	Overcast with ≀∿, moving E.	
8	C	Overcast.	
8	C	"	
8	C	"	
8	R	Overcast; rain at 5h. 35m., which lasted 3m.	Mean daily temperature of ground 20 and 60 inches below its surface 83°5 and 84°7. Daily fall of rain by Osler's Gauge 0·28in.
8	R	Overcast; rain commenced at 6h. 20m.	
8	R	Overcast; rain ceased at 7h. 42m.	
8	R	Overcast; drizzling rain between 8h. 19m. and 8h. 28m.	
8	B	Overcast; no rain.	
8	B	" "	
6	B	≀∿ around hor.; ≀∿ scattered throughout.	
7	B	" "	
8	C	Overcast with ≀∿, light rain at 1h. 53m., which lasted 5m.	
8	C	Overcast; no rain.	
8	C	" "	
7	C	≀∿ scattered throughout, moving E.	
5	R	≀∿ and ≀∿ scattered about, both moving E.	
3	R	≀∿ and ≀∿ scattered about hor., the former moving E.	
3	R	Clouded as before.	
3	R	≀∿ and ∿ scattered about; light drizzling rain at 8h. 25m. and at 8h. 52m., which lasted 5m.	
8	B	Overcast; drizzling rain from 9h. 51m. to 9h. 56m.	
7	B	≀∿ scattered throughout, moving E.	
4	B	" " "	

Bombay Civil Time. 1860.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in seconds between same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Aug. 17th-Midnight	29.718	28.832	79°2	77°0	2°2	76°1	0.91	79°7	82°5	SW b W	0.1					
1 a. m.	.701	.799	79.2	77.4	1.8	76.7	.92	79.5	82.4	SW	0.1					
2 „	.680	.778	79.2	77.4	1.8	76.7	.92	79.4	82.4	„	0.0					
3 „	.664	.778	79.2	77.0	2.2	76.1	.91	79.4	82.4	„	0.2					
4 „	.660	.746	78.8	77.6	1.2	77.1	.95	79.0	82.3	„	0.1	0.02				
5 „	.657	.747	79.1	77.6	1.5	77.0	.94	79.4	82.2	SW b W	0.2					
6 „	.661	.753	79.0	77.5	1.5	76.9	.94	79.5	82.3	„	0.1					
7 „	.677	.788	78.9	77.0	1.9	76.3	.92	79.4	82.3	WSW	0.4					
8 „	.684	.821	77.7	76.0	1.7	75.3	.93	78.5	82.2	„	¼ to 3½					
9 „	.706	.863	77.8	75.5	2.3	74.6	.90	78.3	82.1	„	0.1					
10 „	.714	.851	79.5	76.5	3.0	75.3	.88	79.5	82.1	„	0.1					
11 „	.713	.846	78.8	76.4	2.4	75.5	.90	79.1	82.1	WNW	0.2	0.13				
Noon.	.698	.836	77.8	76.0	1.8	75.2	.92	78.1	82.0	„	0.3	0.09	None.	None.	None.	None.
1 p. m.	.668	.805	77.7	76.0	1.7	75.3	.93	78.0	82.0	NNW	0.1	0·09				
2 „	.652	.755	78.2	77.0	1.2	76.5	.95	78.4	81.9	WNW	0·1	0.07				
3 „	.636	.759	78.2	76.5	1.7	75.8	.93	78.4	81.9	„	0.1	0.01				
4 „	.626	.744	79.5	77.0	2.5	76·0	.90	79.1	81.8	W	0.1					
5 „	.618	.737	79.6	77.0	2.6	76·0	.89	79.7	82.0	WSW	0.1					
6 „	.628	.742	79.2	77.0	2.2	76.1	.91	79.5	82.0	„	0·1					
7 „	.636	.765	78.8	76.5	2.3	75.6	.90	79.0	82.0	„	0·6					
8 „	.657	.821	76.6	75.0	1.6	74.3	.93	77.3	81.7	WNW	0.8	0.36				
9 „	.682	.846	76.6	75.0	1.6	74.3	.93	77.3	81.6	„	0.0					
10 „	.686	.818	77.3	76.0	1.3	75.5	.94	77.8	81.6	„	0·3					
11 „	.674	.806	77.3	76.0	1.3	75.5	.94	77.8	81.6	„	0.2	0.06				
Aug. 18th-Midnight	.665	.822	76.0	75.0	1.0	74.6	.96	76.9	81.4	NW	0.0	0·01				
1 a. m.	.642	.762	76.2	76.0	0.2	75.9	.99	77.0	81.3	„	0.0	0.02				
2 „	.632	.758	76.7	76.0	0.7	75.7	.97	77.3	81.3	„	0.0					
3 „	.627	.758	77.2	76.2	1.0	75.5	.96	77.8	81.2	WSW	0·0					
4 „	.624	.781	76.0	75.0	1.0	74.6	.96	77.0	81.2	„	0.0	0.04				
5 „	.629	.747	76.8	76.2	0.6	76.0	.97	77.5	81.2	SSE	0.0	0·01				
6 „	.640	.758	76.0	76.0	0.0	76.0	1.00	77.0	81.3	SW b S	0.0	0.18				
7 „	.644	.754	77.4	76.6	0.8	76.3	0.97	77.9	81.3	„	0.0					
8 „	.668	.793	76.6	76.0	0.6	75.8	.97	77.6	81.3	S b W	0.0	0.04				
9 „	.691	.766	79.3	78.0	1.3	77.5	.95	79.3	81.3	WSW	0.0					
10 „	.685	.798	79.1	77.0	2.1	76.2	.91	79.0	81.4	SW	0.2	0.03				
11 „	.692	.793	78.0	77.0	1.0	76.6	.96	78.4	81.4	SSW	0.1	0.04				
Noon.	.681	.770	80.5	78.0	2.5	77.0	.90	80.2	81.3	SSE	0.1		None.	None.	None.	None.
1 p. m.	.666	.719	82.2	79.3	2.9	78.2	.88	81.0	81.5	„	0.1					
2 „	.652	.729	80.3	78.3	2.0	77.4	.92	80.0	81.5	SSW	0.1					
3 „	.641	.706	82.2	79.0	3.2	77.8	.87	81.0	81.5	WSW	0.3					
4 „	.640	.661	83.6	80.4	3.2	79.3	.87	82.0	81.7	„	0.2					
5 „	.640	.702	81.9	79.0	2.9	77.9	.88	81.5	81.8	SW	0.2					
6 „	.654	.745	80.7	78.0	2.7	76.9	.89	80.7	82.0	„	0.2					
7 „	.672	.763	80.7	78.0	2.7	76.9	.89	80.7	82.0	SSW	0.1					
8 „	.682	.765	80.0	78.0	2.0	77.2	.92	80.0	82.0	„	0.1					
9 „	.698	.779	79.8	78.0	1.8	77.3	.92	80.0	82.0	S b W	0.1					
10 „	.708	.865	79.5	76.0	3.5	74.6	.86	79.9	81.9	SW b S	0.4					
11 „	.699	.814	79.3	77.0	2.3	76.1	.90	79.7	81.9	„	0.3					
Aug. 20th-Midnight	.791	.938	78.6	76.0	2.6	75.0	.89	79.1	82.3	SW	0.0					
1 a. m.	.779	.925	78.5	76.0	2.5	75.0	.90	79.0	82.2	„	0.0					
2 „	.775	.918	78.3	76.0	2.3	75.1	.90	78.9	82.2	SW b W	0.1					
3 „	.775	.880	78.4	77.0	1.4	76.5	.94	79.0	82.1	„	0.2	0.03				
4 „	.782	.883	78.0	77.0	1.0	76.6	.96	78.8	82.0	„	0.1					
5 „	.787	.888	78.0	77.0	1.0	76.6	.96	78.8	82.0	„	0.1					
6 „	.804	.920	77.6	76.5	1.1	76.1	.95	78.5	82.0	SW	0.1		None.	None.	None.	None.
7 „	.824	.894	78.8	78.0	0.8	77.7	.97	79.0	82.0	„	0.1					
8 „	.829	.919	80.6	78.0	2.6	77.0	.89	80.3	82.0	„	0.1					
9 „	.857	.887	82.8	80.0	2.8	79.0	.89	81.5	82.2	S	0.1					
10 „	.856	.894	84.4	80.2	4.2	78.7	.84	82.6	82.4	„	0.0					
11 „	.854	.873	83.4	80.4	3.0	79.3	.88	82.2	82.3	SSW	0.1	0.01				

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌒i cirri; ⌒⌒i cirro-cumuli; ⌒i cumuli; ⌒i cirro-strati; ⌒i cumulo-strati; and ⌒⌒i nimbi.	
3	B	⌒⌒i scattered about hor., moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 83°5 and 84°7. Daily fall of rain by Osler's Gauge 0·87in.
4	C	" "	
8	C	Overcast with ⌒⌒i, moving E.	
8	C	Overcast; light rain at 3h. 19m., which ceased 3h. 38m.	
8	C	Overcast; no rain.	
8	R	Overcast.	
8	R	"	
8	R	"	
8	R	Overcast; drizzling rain between 8h. 12m. and 8h. 28m.	
8	B	Overcast; no rain.	
8	B	Overcast; rain commenced at 10h. 42m.	
8	B	Overcast; raining.	
8	B	" "	
8	C	" "	
8	C	Overcast; rain ceased at 2h. 40m.	
8	C	Overcast; no rain.	
8	C	" "	
8	R	" "	
8	R	" "	
8	R	Overcast; rain commenced at 7h. 17m.	
8	R	Overcast; rain ceased at 8h. 5m.	
8	B	Overcast; no rain.	
8	B	Overcast; light rain between 10h. 8m. and 10h. 48m.	
8	B	Overcast; a shower of rain at 11h. 16m., which lasted 2m.	
8	B	Overcast with ⌒⌒i, moving E; light rain at 0h. 43m., which lasted 4m.	Mean daily temperature of ground 20 and 60 inches below its surface 83°4 and 84°7. Daily fall of rain by Osler's Gauge 0·33in.; Temperature of Air at 4 A. M. was 76·0, least during the month, and about 2°8 less than the Normal Mean.
8	C	Overcast; no rain.	
8	C	" "	
8	C	Overcast; light rain at 3h. 29m., which lasted 12m.	
8	C	Overcast; drizzling rain at 4h. 3m., which lasted 17m.	
8	R	Overcast; light rain at 5h. 8m., which ceased at 5h. 45m.	
8	R	Overcast; drizzling rain from 6h. 17m. to 6h. 30m.	
8	R	Overcast; drizzling rain from 7h. 20m. to 7h. 25m.	
8	R	Overcast; no rain.	
8	B	Overcast; passing showers of rain.	
8	B	Overcast; light rain at 10h. 4m., which lasted 10m.	
8	B	Overcast; drizzling rain at 11h. 5m., which lasted 5m.	
8	B	Overcast; no rain.	
8	C	" "	
8	C	Overcast; drizzling rain at 2h. 16m., which ceased at 2h. 23m.	
8	C	Overcast; no rain.	
7	C	⌒⌒i scattered throughout, moving E.	
8	R	" " "	
8	R	" " "	
8	R	" " "	
8	R	" " "	
8	R	" " "	
6	R	⌒⌒i scattered about, moving E.	
8	R	Overcast with ⌒⌒i, moving E.	
2	B	⌒⌒i scattered around hor.	Mean daily temperature of ground 20 and 60 inches below its surface 83°2 and 84°5. Daily fall of rain by Osler's Gauge 0·04in.
2	C	" "	
5	C	⌒⌒i scattered about, moving E; light rain at 2h. 19m. and 2h. 54m.	
8	C	Overcast; light rain between 3h. 0m. and 3h. 3m.	
4	C	⌒⌒i scattered about, moving E.	
7	R	" "	
6	R	" "	
5	R	" "	
4	R	" "	
5	B	" "	
6	B	⌒⌒i scattered about, moving ENE; drizzling rain from 10h. 16m. to 10h 50m.	
5	B	⌒⌒i scattered about, moving NE.	

Bombay Civil Time. 1860.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Aug. 20th—Noon.	29.844	28.900	85°2	80°0	5°2	78°1	0.80	83°1	82°5	SW b W	0.1					
1 p. m.	.817	.876	86.2	80.2	6.0	78.0	.77	83.4	82.6	SW	0.1					
2 „	.797	.870	87.0	80.0	7.0	77.5	.74	84.0	82.8	„	0·1					
3 „	.784	.866	86.8	79.8	7.0	77.3	.74	84.0	82.9	„	0.1					
4 „	.772	.865	85.8	79.8	6.0	76.9	.77	83.9	82.9	„	0.2					
5 „	.771	.869	84.4	78.8	5.6	76.7	.78	83.0	83.0	„	0.1	None.	None.	None.	None.	None.
6 „	.792	.897	82.0	78.0	4.0	76.5	.84	82.0	83.0	„	0.1					
7 „	.805	.813	80.5	77.5	3.0	76.4	.88	80.9	82.8	„	0.1					
8 „	.817	.900	80.0	78.0	2.0	77.2	.92	80.4	82.7	„	0.0					
9 „	.838	.919	79.8	78.0	1.8	77.3	.92	80.0	82.7	„	0.0					
10 „	.847	.994	79.4	76.2	3.2	75.0	.87	79.9	82.6	„	0.0					
11 „	.847	29.000	79.2	76.0	3.2	74.7	.87	79.5	82.6	„	0.0					
Aug. 21st-Midnight	.838	28.991	79.2	76.0	3.2	74.7	.87	79.5	82.5	SW	0.0					
1 a. m.	·830	.981	79.0	76.0	3.0	74.8	.88	79.2	82.5	„	0.0					
2 „	.810	.961	79.0	76.0	3.0	74.8	·88	79.1	82.4	„	0.0					
3 „	.797	.945	78.7	76.0	2.7	74.9	.89	79.0	82.3	„	0.1					
4 „	.793	.937	78.4	76.0	2.4	75.1	.90	78.9	82.2	„	0.0					
5 „	.790	.934	78.4	76.0	2.4	75.1	·90	78.8	82.2	„	0.0					
6 „	.794	.934	78.0	76.0	2.0	75.2	.92	78.7	82.3	„	0.0					
7 „	.801	.915	79.2	77.0	2.2	76.1	.91	79.4	82.3	„	0.0					
8 „	.817	.935	81.4	77.5	3.9	76.0	.84	80.7	82.4	„	0.0					
9 „	.841	.972	82.6	77.5	5.1	75.5	.80	81.3	82·4	„	0.1					
10 „	.839	.945	84.0	78.5	5.5	76.4	.79	82.2	82.5	„	0.1					
11 „	.834	.888	85.0	80.0	5.0	78.2	.81	82.9	82.6	„	0.1					
Noon.	.823	.903	86.7	79.7	7.0	77.2	.74	83.9	82.8	„	0.1					
1 p. m.	.796	.892	85.0	79.0	6.0	76.8	.77	83.0	82.8	SW b W	0.1	Less than one cent.	None.	None.	None.	None.
2 „	.777	.857	87.4	80.0	7.4	77.3	.73	84.3	83.0	„	0.1					
3 „	.763	.868	85.8	79.0	6.8	76.5	.75	83.8	83.0	W b S	0·1					
4 „	.748	.841	86.2	79.4	6.8	76.9	.75	83.9	83.1	WSW	0.1					
5 „	.738	.861	83.6	78.0	5.6	75.8	.78	83.0	83.1	SW b W	0.0					
6 „	.756	.865	82.4	78.0	4.4	76.3	.83	82.0	83.0	„	0.0					
7 „	.770	.904	81.0	77.0	4.0	75.4	.84	81.0	83.0	„	0.0					
8 „	.781	.915	81.0	77.0	4.0	75.4	.84	81.0	83.0	SW	0.0					
9 „	.789	.919	80.6	77.0	3.6	75.6	.85	80.5	82.9	„	0.0					
10 „	.778	.923	80.2	76.5	3.7	75.0	.85	80.2	82.9	„	0.0					
11 „	.769	.921	79.8	76.2	3.6	74.8	.85	80.0	82.8	SW b S	0.0					
Aug. 22nd-Midnight	.737	.889	79.8	76.2	3.6	71.8	.85	80.0	82.7	SSW	0.1					
1 a. m.	.715	.851	79.8	76.6	3.2	75.4	.87	80.0	82.6	S b W	0.3					
2 „	.709	.832	80.0	77.0	3.0	75.8	.88	80.1	82.6	SW b S	0.2					
3 „	.707	.830	80.0	77.0	3.0	75.8	.88	80.2	82.6	„	0.2					
4 „	.713	.857	79.8	76.4	3.4	75.1	.86	80.0	82.5	SW	0.2					
5 „	.727	.882	79.4	76.0	3.4	74.7	.86	79.5	82.5	„	0.0					
6 „	.734	.856	79.5	76.9	2.6	75.9	.89	79.8	82.5	WSW	0.0					
7 „	.754	.886	79.0	76.5	2.5	75.5	.90	79.6	82.5	SW b S	0.0	0.02				
8 „	.774	.919	80.2	76.5	3.7	75.0	.85	80.1	82.5	WSW	0.0	0.03				
9 „	.791	.851	82.5	76.5	3.3	78.0	.87	81.3	82.5	„	0.1					
10 „	.788	.831	84.0	79.2	4.0	78.6	.84	82.3	82.7	„	0.2					
11 „	.786	.840	85.0	80.0	5.0	78.2	.81	83.1	82.9	„	0·3					
Noon.	.782	.847	86·0	80.0	6.0	77.8	.77	83.9	83.0	„	0.4	None.	None.	None.	None.	None.
1 p. m.	.757	.838	85.6	80.0	6.1	77.3	.77	83.9	83.0	„	0.3					
2 „	.743	.812	86.4	79.5	6.4	77.7	.76	84.2	83.1	SW b W	0.1					
3 „	.735	.809	86.8	80.0	6.8	77.5	.75	84.3	83.2	„	0.2					
4 „	.721	.849	84.1	80.0	6.1	75.6	.77	83.0	83.3	SW	0.1					
5 „	.722	.832	83.2	78.2	5.0	76.3	.80	82.9	83.3	SW b S	0.1					
6 „	.733	.855	81.8	77.5	4.3	75.9	.83	81.9	83.2	SW	0.0					
7 „	.743	.861	81.4	77.5	3.9	76.0	.84	81.5	83.1	WSW	0·0					
8 „	.748	.885	79·5	76.5	3.0	75.3	.88	80.1	83.0	„	0.0	0.04				
9 „	.759	.879	79.7	77.0	2.7	75.9	.89	80.1	83.0	SW	0.0					
10 „	.756	.875	80.4	77.2	3.2	76.0	.87	80.4	83.0	SW b S	0.0					
11 „	.749	.868	80.4	77.2	3.2	76.0	.87	80.5	83.0	„	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌒ cirro-strati; ∩⌒ cumulo-strati; and ≀≀ nimbi.	
5	B	≀≀ and ≀ scattered about.	
4	C	≀≀ and ≀ scattered about hor.	
4	C	≀≀ scattered about, moving NE.	
4	C	" "	
5	C	" "	
4	R	" "	
4	R	" "	
3	R	" "	
3	R	" "	
1	B	≀≀ scattered about hor.	
1	B	" "	
1	B	" "	
1	B	≀≀ scattered around hor.	Mean daily temperature of ground 20 and 60 inches below its surface 83°2 and 84°5.
3	C	≀≀ scattered about hor.	
2	C	≀≀ scattered around hor. and about zth., moving ENE.	
2	C	≀≀ scattered about hor., moving ENE.	
2	C	" " "	
4	R	≀≀ scattered about, moving ENE.	
5	R	≀≀ and ≀ scattered about, the former moving E.	
4	R	" " "	
6	R	≀≀ scattered throughout, moving ENE.	
6	B	" "	
6	B	A few ≀ about zth.; ≀≀ scattered throughout, moving ENE.	
6	B	≀≀ scattered about, moving E.	
6	B	≀≀ and ≀ scattered throughout, moving ENE; drizzling rain from 12h. 59m. to 13h. 3m.	
8	C	Overcast with ≀≀, moving ENE.	
6	C	≀≀ and ≀ scattered throughout, the former moving ENE.	
7	C	" " "	
5	C	" " "	
6	R	" " "	
6	R	≀≀ around hor., moving ENE; ≀ scattered throughout.	
4	R	" " "	
7	R	Densely clouded with ≀, ≀≀, and ≀≀, the latter moving NE.	
5	B	≀≀ and ≀≀ scattered about, moving NE.	
2	B	≀≀ scattered about hor.	
2	B	" "	
2	B	≀≀ scattered around hor.	Mean daily temperature of ground 20 and 60 inches below its surface 83°2 and 84°5. Daily fall of rain by Osler's Gauge 0·11in.
2	C	" "	
2	C	" "	
4	C	≀≀ scattered about, moving ENE.	
8	C	Overcast with ≀≀, moving ENE.	
7	R	≀≀ scattered throughout, moving NE.	
8	R	Overcast; light rain at 6h. 14m., which lasted 3m.	
8	R	Overcast; a passing shower of rain at 7h. 56m.	
8	R	Overcast with ≀≀, moving ENE.	
7	B	Densely clouded with ≀≀ and ≀≀, the former moving ENE.	
3	B	≀, ≀≀, and ≀≀ scattered about hor., the latter moving NE.	
5	B	≀, ≀≀, and ≀≀ scattered about, the latter moving NE.	
8	B	≀, ≀≀, and ≀≀ scattered throughout, the latter moving NE.	
7	C	" " "	
7	C	" " "	
8	C	" " "	
8	C	Overcast.	
8	R	"	
8	R	"	
8	R	Overcast; drizzling from 7h. 45m. to 8h. 0m.	
8	R	Overcast; no rain.	
8	B	" "	
8	B	" "	
4	B	" "	

Bombay Civil Time. 1860.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Aug. 23rd-Midnight	29.739	28.879	79°8	76°5	3°3	75°2	0.86	80°1	83°0	SW	0.2					
1 a. m.	.724	.817	80.2	77.8	2.4	76.9	.90	80.3	83.0	„	0·1					
2 „	.708	.840	79.4	76.6	2.8	75.5	.88	79.8	82.9	SW b W	0·3					
3 „	.710	.850	79.4	76.4	3.0	75.2	.88	79.8	82.8	SW	0·3					
4 „	.712	.867	79.4	76.0	3.4	74.7	.86	79.9	82.8	„	0.2					
5 „	.719	.835	79.4	77.0	2.4	76.1	.90	79.9	82.7	„	0.1					
6 „	.737	.874	79·5	76.5	3.0	75.3	.88	79.8	82.7	„	0.1					
7 „	.763	.893	80.6	77.0	3.6	75.6	.85	80.5	82.7	„	0.2					
8 „	.782	.894	81.5	77.7	3.8	76.2	.85	81.0	82.7	SW b S	0·2					
9 „	.801	.883	83.7	79.0	4.7	77.3	.82	82.2	82.9	„	0.2					
10 „	.806	.888	85.2	79.4	5.8	77.3	.78	83.3	83.0	„	0.3					
11 „	.801	.954	83.8	77.3	6.5	74.7	.75	82.9	83.1	SSW	0.4	0·01	None.	None.	None.	None.
Noon.	.797	.885	84.3	79.0	5.3	77.0	.80	83·0	83.1	S b W	0·6					
1 p. m.	.774	.783	84.8	81.0	3.8	79.7	.85	83.3	83.1	SW b W	0.3	0.01				
2 „	.760	.799	86.3	80.7	5.6	78.7	.79	84.1	83.3	„	0·2					
3 „	.754	.825	86.5	80.0	6.5	77.6	.76	84·3	83.4	WSW	0·2					
4 „	.744	.820	83.2	79.0	4.2	77.5	.84	82.4	83.3	W b S	0·1					
5 „	.741	.812	82.7	79.0	3.7	77.6	.85	82.5	83.4	„	0·1					
6 „	.752	.858	79.2	77.2	2.0	76.4	.92	80.5	83.2	„	0·0	0.03				
7 „	.756	.839	80.0	78.0	2.0	77.2	.92	80.5	83.0	WSW	0.0	0.04				
8 „	.771	.914	80.0	76.5	3.5	75.1	.86	80.2	83.0	SW b W	0.1					
9 „	.782	.905	80.0	77.0	3.0	75.8	.88	80.2	83.0	„	0.1					
10 „	.789	.912	80.0	77.0	3.0	75.8	.88	80.2	83.0	„	0.1					
11 „	.783	.904	79.8	77.0	2.8	75.9	.88	80.1	83.0	„	0.2					
Aug. 24th-Midnight	.773	.892	79.6	77.0	2.6	76.0	.89	80.0	83.0	SW b W	0.1					
1 a. m.	.750	.915	79.2	76.2	3.0	75.0	.88	79.6	82.9	SW	0.1					
2 „	.730	.868	79.2	76.4	2.8	75.3	.88	79.4	82.8	„	0.1					
3 „	.728	.866	79.2	76.4	2.8	75.3	.88	79.4	82.7	„	0.2					
4 „	.730	.844	79.2	77.0	2.2	76.1	.91	79.5	82.7	SW b S	0.3					
5 „	.734	.857	79.0	76.7	2.3	75.8	.90	79.5	82.6	SW	0.2					
6 „	.755	.909	79.3	76.0	3.3	74.7	.86	79.8	82.7	„	0.0					
7 „	.776	.899	80.0	77.0	3.0	75.8	.88	80.0	82.7	„	0.1					
8 „	.795	.897	81.7	78.0	3.7	76.6	.85	81.0	82.7	„	0.1					
9 „	.822	.921	83.4	78.5	4.9	76.7	.81	82.0	82.8	SW b S	0.1					
10 „	.819	.871	84.8	80.0	4.8	78.3	.81	83.0	83.0	„	0.1					
11 „	.817	.882	86.0	80.0	6.0	77.8	.77	84.0	83.1	SW	0·1					
Noon.	.807	.937	84.3	78.0	6.3	75.6	.76	83.0	83.1	„	0.1					
1 p. m.	.790	.944	83.6	77.2	6.4	74.6	.76	82.8	83.1	WSW	0.2					
2 „	.774	.941	82.6	76.6	6.0	74.2	.77	82.0	83.0	SW b S	0.4					
3 „	.752	.874	83.5	78.0	5.5	75.9	.79	82.2	83.0	„	0.1					
4 „	.752	.831	84.2	79.2	5.0	77.4	.81	82.8	83.1	WSW	0.2					
5 „	.759	.844	84.0	79.0	5.0	77.2	.81	83.0	83.3	„	0.1					
6 „	.766	.888	81.8	77.5	4.3	75.9	.83	81.9	83.2	„	0·1					
7 „	.781	.915	81.0	77.0	4.0	75.4	.84	81.0	83.0	„	0.1					
8 „	.798	.943	80.2	76.5	3.7	75.0	.85	80.7	83.0	„	0.0					
9 „	.821	.944	80.6	77.0	3.0	75.8	.88	80.3	83.0	SW b W	0.1					
10 „	.823	.946	80.0	77.0	3.0	75.8	.88	80.2	83.0	SW	0.0					
11 „	.812	.961	79.8	76.3	3.5	74.9	.86	80.0	83.0	SSW	0.0					
Aug. 25th-Midnight	.806	.955	79.8	76.3	3.5	74.9	.86	80.0	82.9	SW	0.1					
1 a. m.	.782	.917	79.7	76.6	3.1	75.4	.87	80.1	82.8	„	0.1					
2 „	.768	.925	79.5	76.0	3.5	74.6	.86	79.8	82.8	„	0.0					
3 „	.758	.909	79.0	76.0	3.0	74.8	.88	79.7	82.7	„	0.0					
4 „	.757	.908	79.0	76.0	3.0	74.8	.88	79.5	82.7	„	0.0					
5 „	.777	.928	79.0	76.0	3.0	74.8	.88	79.4	82.7	„	0.0					
6 „	.797	.945	78.7	76.0	2.7	74.9	.89	79.1	82.6	„	0.1					
7 „	.819	.944	80.2	76.0	3.2	75.8	.87	80.0	82.6	„	0.1					
8 „	.833	.938	82.0	77.0	4.0	76.5	.84	81.0	82.7	„	0.1					
9 „	.838	.919	83.6	78.0	4.6	77.3	.82	82.0	82.9	„	0·1					
10 „	.339	.935	85.0	79.0	6.0	76.8	.77	83.0	83.0	„	0·1					
11 „	.837	.940	85.6	79.0	6.6	76.5	.75	83.2	83.0	SW b S	0.1					

Less than one cent. None. None. None. None.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: Ci cirri; Ci cirro-cumuli; Cu cumuli; Cs cirro-strati; Cu-s cumulo-strati; and N nimbi.	
8	B	Overcast with Ci, Cc, and Cs, the latter moving NE.	Mean daily temperature of ground 20 and 60 inches below its surface 83°2 and 84°5. Daily fall of rain by Osler's Gauge 0·17in.
8	C	Overcast; a passing shower of rain at 1h. 56m.	
8	C	Overcast; no rain.	
4	C	Cs scattered about hor., moving ENE.	
7	C	Densely clouded with Cs, moving ENE.	
7	R	" "	
7	R	" "	
7	R	Ci, Cc, and Cs scattered throughout, the latter moving E.	
7	R	Cs around hor.; Cc scattered throughout, both moving ENE.	
7	B	" " "	
3	B	Cs and Cc scattered about hor.; a passing shower of rain at 10h. 52m., which lasted 3m.	
5	B	Densely clouded with Cs, moving NE.	
6	B	Cs and Cc scattered throughout; light rain at 12h. 23m., which lasted 10m.	
5	C	Cs scattered about, moving NE.	
5	C	" "	
6	C	A few Ci about zth.; Cs scattered throughout.	
7	C	Densely clouded with Cs, moving NE.	
8	R	Overcast; light rain at 5h. 28m., which lasted 7m.	
8	R	Overcast; drizzling rain at 6h. 10m., which lasted 4m.	
5	R	Cs scattered about, moving NE.	
4	R	" "	
5	B	Cs scattered about, moving N.	
5	B	" "	
2	B	Cs and Cc scattered about, moving N.	
2	B	Cs scattered about hor.	Mean daily temperature of ground 20 and 60 inches below its surface 83°2 and 84°5.
2	C	" "	
2	C	" "	
2	C	Cs scattered about hor., moving NNE; drizzling rain from 3h. 40m. to 3h. 46m.	
5	C	Cs scattered about, moving NNE.	
5	R	" "	
7	R	Cs scattered throughout, moving E.	
4	R	Cs scattered about, moving NE.	
3	R	Cs around hor.; Ci scattered here and there.	
3	B	Cs scattered about hor., moving NE.	
4	B	Cs and Cc scattered about, the former moving NE.	
7	B	Densely clouded with Cs and Cc, the former moving NE.	
7	B	" " "	
8	C	Overcast with Cs, moving NE; drizzling rain from 1h. 1m. to 1h. 17m.	
8	C	Overcast; no rain.	
8	C	Overcast with Cs, moving ENE.	
7	C	Densely clouded with Cs and Cc, the former moving ENE.	
7	R	" " "	
7	R	Ci and Cs scattered throughout, the former moving ENE.	
7	R	Cs around hor.; Ci scattered throughout; a lunar halo.	
6	R	" " "	
7	B	Ci and Cs scattered throughout, the latter moving NE.	
7	B	" " "	
7	B	" " "	
3	B	Cs scattered about hor., moving NE; a few Ci scattered here and there.	Mean daily temperature of ground 20 and 60 inches below its surface 83°2 and 84°5.
8	C	Overcast with Cs and Ci, the former moving NE.	
6	C	Cs scattered throughout, moving NE.	
3	R	Cs scattered about, moving NE.	
2	R	Cs scattered about hor., moving NE.	
5	B	Cs around hor., moving ENE; a few Ci scattered here and there.	
5	B	Ci and Cs scattered about, the latter moving NE.	
4	C	" " "	
3	C	Ci and Cs scattered about hor.	
4	R	Ci and Cs scattered here and there, moving NE.	
5	R	A few Ci about zth.; Cs scattered about, moving NE.	
4	B	" " "	

Bombay Civil Time. 1860.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Aug. 25th-Noon.	29.825	28.901	87°0	80°0	7°0	77°5	0.74	84°1	83°2	SSW	0.1					
1 p. m.	.803	.882	87.3	80.0	7.3	77.4	.73	84.5	83.3	„	0.1					
2 „	.792	.876	87.7	80.0	7.7	77.2	.72	85.0	83.4	SW b S	0.2					
3 „	.766	.851	87.8	80.0	7.8	77.2	.72	85.0	83.5	„	0.1					
4 „	.766	.846	87.4	80.0	7.4	77.3	.73	85.0	83.5	WSW	0.1					
5 „	.789	.925	84.8	78.0	6.8	75.4	.74	83.6	83.6	W b S	0.1	None.	None.	None.	None.	None.
6 „	.795	.911	83.0	78.0	5.0	76.1	.80	82.3	83.5	W	0.1					
7 „	.792	.903	81.8	77.8	4.0	76.3	.84	81.8	83.4	„	0.0					
8 „	.810	.901	81.2	77.4	3.8	76.9	.85	81.2	83.3	„	0.0					
9 „	.823	.917	81.0	78.0	3.0	76.8	.88	81.1	83.4	„	0.0					
10 „	.825	.925	80.4	77.7	2.7	76.6	.89	80.8	83.3	„	0.0					
11 „	.830	.946	80.5	77.3	3.2	76.1	.87	80.8	83.3	„	0.1					
Aug. 26th-Midnight	.823	.950	80.4	77.0	3.4	75.7	.86	80.7	83.3	WSW	0.0					
1 a. m.	.799	.915	79.8	76.4	3.4	76.1	.86	80.1	83.2	„	0.0					
2 „	.791	.914	80.0	77.0	3.0	75.8	.88	80.2	83.1	„	0.0					
3 „	.785	.914	79.8	76.8	3.0	75.6	.88	80.1	83.0	„	0.0					
4 „	.779	.913	79.2	76.5	2.7	75.4	.89	79.8	83.0	„	0.0					
5 „	.779	.913	79.2	76.5	2.7	75.4	.89	79.6	83.0	„	0.0					
6 „	.807	.925	78.8	76.8	2.0	76.0	.92	79.5	83.0	„	0.0					
7 „	.835	.958	80.0	77.0	3.0	75.8	.88	80.0	83.0	W b S	0.0					
8 „	.864	.977	82.7	78.0	4.7	76.2	.82	82.0	83.0	WSW	0.0					
9 „	.877	.965	84.3	79.0	5.3	77.0	.80	82.5	83.1	„	0.0					
10 „	.889	.985	85.0	79.0	6.0	76.8	.77	83.3	83.3	„	0.1					
11 „	.881	.980	86.4	79.3	7.1	76.7	.74	83.6	83.4	„	0.1	None.	None.	None.	None.	None.
Noon.	.866	.982	86.8	79.0	7.8	76.1	.71	83.9	83.4	„	0.1					
1 p. m.	.843	.969	87.7	79.0	8.7	75.7	.69	84.3	83.5	W	0.1					
2 „	.817	.904	88.0	80.0	8.0	77.1	.71	85.0	83.6	„	0.1					
3 „	.802	.926	88.0	79.2	8.8	75.8	.68	85.0	83.7	„	0.1					
4 „	.794	.911	86.9	79.0	7.9	76.0	.71	84.8	83.8	„	0.1					
5 „	.792	.944	84.8	77.6	7.2	74.8	.73	83.2	83.7	W b N	0.1					
6 „	.799	.941	83.2	77.4	5.8	75.1	.77	82.4	83.6	W	0.1					
7 „	.812	.963	82.5	77.0	5.5	74.8	.79	82.0	83.5	„	0.1					
8 „	.825	.971	82.0	77.0	5.0	75.0	.80	81.8	83.5	„	0.0					
9 „	.838	.998	81.6	76.5	5.1	74.5	.80	81.5	83.4	W b N	0.0					
10 „	.843	.984	81.1	76.8	4.3	75.2	.83	81.0	83.4	W	0.0					
11 „	.839	.969	80.6	77.0	3.6	76.3	.85	81.0	83.4	„	0.0					
Aug. 28th-Midnight	.851	.995	81.7	77.0	4.7	75.1	.81	81.2	83.5	W b N	0.1					
1 a. m.	.832	.972	81.4	77.0	4.4	75.2	.82	81.0	83.5	„	0.1					
2 „	.816	.954	81.2	77.0	4.2	75.3	.83	81.0	83.4	„	0.1					
3 „	.809	.972	80.8	76.2	4.6	74.4	.82	80.8	83.3	„	0.1					
4 „	.805	.935	80.1	77.0	3.6	75.6	.85	80.7	83.3	„	0.1					
5 „	.818	.948	80.6	77.0	3.6	75.6	.85	80.6	83.3	„	0.0					
6 „	.817	.947	80.6	77.0	3.6	75.6	.85	80.7	83.3	„	0.0					
7 „	.835	.933	81.4	78.0	3.4	76.7	.86	81.0	83.5	„	0.3					
8 „	.856	.965	82.4	78.0	4.4	76.3	.83	82.0	83.4	W	0.2					
9 „	.880	.963	83.1	78.8	4.3	77.2	.83	82.3	83.4	NW b W	0.2					
10 „	.876	.986	83.2	78.2	5.0	76.3	.80	82.3	83.4	„	0.3					
11 „	.869	29.007	85.0	78.0	7.0	75.3	.74	83.2	83.5	NW	0.5					
Noon.	.854	28.967	86.5	79.0	7.5	76.2	.72	84.0	83.6	„	0.4	Less than one cent.	None.	None.	None.	None.
1 p. m.	.827	.935	86.8	79.2	7.6	76.4	.72	84.1	83.7	NW b W	0.4					
2 „	.807	.906	87.2	79.5	7.7	76.7	.72	84.6	83.7	„	0.3					
3 „	.781	.878	86.2	78.4	7.8	76.7	.73	84.3	83.8	NW	0.3					
4 „	.769	.898	85.3	78.3	7.0	75.6	.74	84.0	83.9	„	0.2					
5 „	.769	.896	84.0	78.0	6.0	75.7	.77	83.4	83.9	„	0.2					
6 „	.775	.888	82.7	78.0	4.7	76.2	.82	82.5	83.9	„	0.2					
7 „	.797	.911	81.7	77.7	4.0	76.1	.84	81.8	83.7	„	0.0					
8 „	.814	.923	81.2	77.7	3.5	76.3	.86	81.4	83.5	„	0.0					
9 „	.834	.948	81.0	77.5	3.5	76.1	.86	81.2	83.5	„	0.0					
10 „	.835	.934	81.0	76.6	4.4	74.9	.82	81.2	83.5	„	0.0					
11 „	.833	.960	80.4	77.0	3.4	75.7	.86	80.9	83.5	„	0.0					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∿ cirri; ≋ cirro-cumuli; ⌒ cumuli; ⌣ cirro-strati; ⌒ cumulo-strati; and ≋ nimbi.	
5	C	Partially clouded with ∿, ≋, and ≋, the latter moving NE.	
5	R	" " "	
5	R	" " "	
4	R	≋ scattered about, moving NE.	
6	R	∿ and ≋ scattered about.	
5	B	≋ around hor.; ∿ and ≋ scattered about.	
7	B	" " "	
3	B	Clouded as before; a lunar halo.	
3	B	" "	
4	C	∿, ≋, and ≋ scattered about, the latter moving E.	
5	C	≋ and ≋ scattered about, both moving E.	
7	C	" " "	
8	B	Overcast with ≋ and ≋, the former moving NE.	Mean daily temperature of ground 20 and 60 inches below its surface 83°4 and 84°6. The Height of Barometer at 10 A. M. was 29·889in.; the highest in the month, and about 0·116in. higher than the Normal Mean. At 3 P. M. the reading of Air Thermometer was 88°0, greatest in the month, and 3°6 greater than the Normal Mean.
8	C	" " "	
8	C	" " "	
3	C	∿ and ≋ scattered about hor., the latter moving NE.	
3	C	" " "	
3	R	" " "	
4	R	" " "	
6	R	∿, ≋, and ≋ scattered about, the two latter moving ENE.	
6	R	" " "	
5	B	≋ around hor.; ∿ and ≋ scattered about.	
3	B	≋ and ≋ scattered about hor., moving NE.	
2	B	" " "	
2	B	" " "	
2	C	" " "	
3	C	" " "	
4	C	≋ and ≋ scattered about, both moving ENE.	
3	C	" " "	
5	C	≋ around hor.; ∿ and ≋ scattered about.	
6	C	" " "	
7	C	≋ around hor.; ∿ scattered throughout; a lunar halo.	
7	C	≋ around hor.; ∿ scattered throughout.	
7	C	" "	
4	C	≋ scattered about, moving ENE.	
4	C	" "	
8	B	Overcast with ≋ and ∿, the former moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 83°6 and 84°6.
8	C	Overcast as before.	
8	C	" "	
8	C	" "	
8	C	" "	
8	R	" "	
8	R	" "	
8	R	" "	
8	R	" "	
7	B	Densely clouded with ≋ and ≋.	
7	B	" "	
6	B	≋ around hor.; ∿ and ≋ scattered throughout.	
5	B	" " "	
7	C	" " "	
7	C	" " "	
8	C	" " "	
8	C	Densely clouded with ∿, ≋, and ≋, the latter moving E.	
7	R	" " "	
6	R	" " "	
7	R	≋ around hor., moving SE; ∿ scattered throughout.	
7	R	∿, ≋, and ≋ scattered throughout, the latter moving ENE.	
7	B	≋ around hor.; ∿ and ≋ scattered throughout.	
7	B	" " "	
8	B	Overcast with ≋ & ≋, the former moving E; drizzling rain between 11h. 2m. & 11h. 40m.	

Bombay Civil Time. 1860.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 8 feet in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Aug.29th-Midnight	29.827	28.948	79°8	77°0	2°8	75°9	0.88	80°2	83°5	NW b N	0.0					
1 a. m.	.791	.936	80·0	76.5	3.5	75.0	.85	80.5	83.4	WNW	0.0					
2 „	.774	.898	80·1	77.0	3.1	75.8	.87	80.5	83.4	„	0.0					
3 „	.772	.892	79.7	77.0	2.7	75.9	.89	80.0	83.3	„	0.0					
4 „	.773	.893	79.7	77.0	2.7	75.9	.89	80.1	83.3	NW	0.2					
5 „	.787	.910	80.0	77.0	3.0	75.8	.88	80.0	83.3	„	0.1					
6 „	.809	.905	79.4	77.5	1.9	76.8	.92	80.0	83.3	NW b W	0.1					
7 „	.827	.914	79.6	77.8	1.8	77.1	.92	80.0	83.2	„	0.1					
8 „	.835	.938	78.2	77.0	1.2	76.5	.95	79.4	83.1	NNE	0.1	0.05				
9 „	.847	.900	81.8	79.2	2.6	78.2	.89	81.2	83.2	NW	0.0					
10 „	.847	.941	81.0	78.0	3.0	76.8	.88	81.0	83.2	„	0.0					
11 „	.832	.900	83.9	79.4	4.5	77.7	.82	82.6	83.3	NE	0.1					
Noon.	.809	.908	85.3	79.0	6.3	76.7	.76	83.5	83.5	NW b W	0.2		None.	None.	None.	None.
1 p. m.	.772	.893	85.4	78.5	6.9	75.9	.74	84.0	83.5	WNW	0.3					
2 „	.747	.898	86.2	78.0	8.2	74.8	.70	84.1	83.5	W b N	0.5					
3 „	.727	.863	86.3	78.4	7.9	75.4	.71	84.1	83.4	WNW	0.4					
4 „	.719	.829	85.8	79.0	6.8	76.5	.75	84.0	83.4	„	0.3					
5 „	.726	.874	84.1	77.5	6.6	74.9	.75	83.1	83.6	„	0.3					
6 „	.744	.896	82.6	77.0	5.6	74.8	.78	82.5	83.5	„	0.1					
7 „	.760	.901	81.6	77.0	4.6	75.2	.82	81.5	83.5	„	0.1					
8 „	.776	.949	81.0	76.0	5.0	74.0	.80	81.0	83.5	„	0.1					
9 „	.795	.966	80.8	76.0	4.8	74.1	.81	81.2	83.5	NW b W	0.1					
10 „	.793	.938	80.6	76.6	4.0	75.0	.84	81.0	83.5	„	0.0					
11 „	.784	.940	80.2	76.2	4.0	74.6	.84	80.3	83.4	„	0.0					
Aug.30th-Midnight	.770	.897	80.4	77.0	3.4	75.7	.86	80.6	83.4	NW b W	0.0					
1 a. m.	.743	.907	80.2	76.0	4.8	74.3	.83	80.4	83.4	W	0.0					
2 „	.739	.899	79.8	76.0	3.8	74.5	.85	80.0	83.3	„	0.1					
3 „	.739	.898	79.7	76.0	3.7	74.5	.85	80.0	83.3	„	0.1					
4 „	.736	.911	78.6	75.2	3.4	73.9	.86	79.1	83.1	W b S	0.1	0.01				
5 „	.746	.860	78·4	76.8	1.6	76.1	.93	79.3	83.0	SW	0.1					
6 „	.761	.859	78.8	77.3	1.5	76.7	.94	79.6	83.0	N	0.1					
7 „	.781	.905	78.3	76.5	1.8	75.8	.92	79.3	83.0	N b E	0.1					
8 „	.799	.895	79.4	77.5	1.9	76.8	.92	80.0	83.0	„	0.0					
9 „	.823	.926	81.8	78.0	3.8	76.5	.85	81.2	83.1	NNE	0.1					
10 „	.825	.959	81.0	77.0	4.0	75.4	.84	81.0	83.1	„	0·1					
11 „	.819	.935	83.0	78.0	5.0	76.1	.80	82.0	83.2	NE	0.1					
Noon.	.802	.932	85.8	78.4	7.4	75.6	.73	83.2	83.4	NW b W	0.1		None.	None.	None.	None.
1 p. m.	.770	.879	86.2	79.0	7.2	76.3	.73	83.7	83.5	W b N	0.2					
2 „	.739	.857	87.0	79.0	8.0	76.0	.71	84.1	83.5	WNW	0.3					
3 „	.716	.834	87.0	79.0	8.0	76.0	.71	84 3	83.6	„	0.2					
4 „	.698	.846	85.2	77.8	7.4	74.9	.73	83.7	83.5	NW b W	0.3					
5 „	.712	.841	84.2	78.0	6.2	75.7	.76	83.4	83.6	NW	0.2					
6 „	.724	.854	82.8	77.6	5.2	75.7	.80	82.5	83.6	NW b W	0.1					
7 „	.739	.880	81.6	77.0	4.6	75.2	.82	81.6	83.5	NW	0.1					
8 „	.751	.887	81.2	77.0	4.2	75.4	.83	81.1	83·5	„	0.1					
9 „	.765	.900	81.1	77.0	4.1	75.4	.84	81.2	83.5	NW b W	0.1					
10 „	.769	.903	81.0	77.0	4.0	75.4	.84	81.1	83.5	WNW	0·1					
11 „	.762	.896	81.0	77.0	4.0	75.4	.84	81.0	83.4	„	0.2					
Aug.31st-Midnight	.758	.901	80.8	76.5	3.5	75.1	.86	80.9	83.4	WNW	0.2					
1 a. m.	.740	.879	80.4	76.7	3.7	75.2	.85	80.6	83.4	W b N	0.0					
2 „	.725	.874	80.2	76.4	3.8	74.9	.85	80.4	83.3	„	0.2					
3 „	.715	.861	80.2	76.6	3.6	75.0	.86	80.3	83.2	„	0.1					
4 „	.723	.867	79.8	76.4	3.4	75.1	.86	80.0	83.1	„	0.0					
5 „	.734	.892	79.6	76.0	3.6	74.6	.85	80.0	83.1	„	0.0					
6 „	.754	.870	79.4	77.0	2.4	76.1	.90	80.0	83.1	N	0.0		None.	None.	None.	None.
7 „	.779	.882	79.3	77.3	2.0	76.5	.92	80.0	83.0	N b E	0.0	None.				
8 „	.803	.866	82.0	79.0	3.0	77.9	.88	81.7	83.2	„	0.0					
9 „	.826	.903	83.3	79.0	4.3	77.4	.83	82.2	83.3	„	0.1					
10 „	.825	.871	84.3	80.0	4.3	78.5	.83	83.0	83.4	„	0.1					
11 „	.818	.912	85.6	79.2	6.4	76.8	.76	83.6	83.5	„	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩ cumulo-strati; and ≀≀ nimbi.	
8	B	Overcast with ≀≀ and ≀≀, both moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 83°8 and 84°7. Daily fall of rain by Osler's Gauge 0·05in.
8	C	" " "	
7	C	≀≀ and ≀≀ scattered throughout, both moving E.	
8	C	Overcast with ≀≀, moving E.	
7	C	Densely clouded with ≀≀, moving E.	
8	R	" "	
7	R	" "	
8	R	Overcast; light rain from 7h. 28m. to 7h. 43m.	
7	R	Densely clouded with ≀≀, moving E.	
8	B	" "	
6	B	" "	
6	B	≀≀ scattered throughout, moving slowly ESE.	
6	B	≀≀ scattered throughout, moving SE.	
5	C	≀ and ≀≀ scattered throughout, moving ESE.	
5	C	Clouded as before.	
5	C	" "	
7	C	" "	
7	R	" "	
7	R	" "	
7	R	" "	
4	R	≀≀ around hor.; ≀ scattered about; a lunar halo.	
7	B	" " "	
8	B	≀≀ around hor.; ≀ scattered throughout; a lunar halo; a few stars dimly visible.	
7	B	≀≀ around hor.; ≀ scattered throughout.	
7	B	≀ and ≀≀ scattered throughout, the latter moving ESE.	Mean daily temperature of ground 20 and 60 inches below its surface 83°8 and 84°7. Daily fall of rain by Osler's Gauge 0·02in.
6	C	≀≀ around hor.; ≀ scattered throughout.	
4	C	≀≀ scattered about, moving ENE.	
7	C	Densely clouded with ≀≀, moving E; a passing shower of rain at 3h. 54m.	
7	C	Densely clouded; no rain.	
7	R	" "	
7	R	" "	
5	R	A few ≀ above S hor; ≀≀ scattered about, moving ESE.	
5	R	" " "	
7	B	Densely clouded with ≀≀, moving SE.	
8	B	Overcast; a break above SW hor.	
5	B	≀≀ and ≀≀ scattered about, the former moving SE.	
5	B	≀≀ around hor.; ≀≀ scattered about.	
4	C	≀≀ scattered about hor., moving ESE.	
5	C	≀≀ scattered about, moving ESE.	
5	C	" "	
6	C	" "	
4	R	≀≀ around hor.; ≀ and ≀≀ scattered about.	
5	R	≀≀ scattered about, moving ESE.	
3	R	≀≀ around hor.; ≀ scattered about.	
3	R	≀ and masses of ≀≀ scattered about, the latter moving E.	
1	B	Masses of ≀≀ scattered around hor.	
2	B	≀≀ scattered about hor., moving SE.	
4	B	A few ≀ above SSW hor.; ≀≀ scattered about, moving ESE.	
3	B	≀≀ scattered about hor., moving ESE.	Mean daily temperature of ground 20 and 60 inches below its surface 83°8 and 84°7.
4	C	" "	
5	C	≀≀ scattered about, moving ESE.	
6	C	≀≀ scattered about, moving E.	
7	C	" "	
7	R	" "	
7	R	≀≀ scattered throughout, moving NE.	
5	R	≀≀ scattered about, moving SSE.	
6	R	≀≀ scattered about, moving SE.	
5	B	" "	
5	B	≀≀ and ≀ scattered about, the former moving SE.	
4	B	≀≀ around hor.; ≀ and ≀≀ scattered about.	

Bombay Civil Time. 1860.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet-Bulb Thermometer.	Depression of Wet-Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Aug. 31st—Noon.	29.793	28.869	87°0	80°0	7°0	77°5	0.74	84°5	83°6	W	0.1					
1 p. m.	.763	.886	86.0	78.6	7.4	75.8	.73	84.1	83.6	NW b N	0.1					
2 „	.742	.822	87.4	80.0	7.4	77.3	.73	85·0	83.8	NW	0.1					
3 „	.718	.824	87.4	79.4	8.0	76.4	.71	85.0	83.9	„	0.2					
4 „	.716	.848	86.4	78.5	7.9	75.5	.71	84.4	83.9	„	0.3					
5 „	.730	.877	84.7	77.7	7.0	75.0	.74	83.6	84.0	NW b N	0.3	None.	None.	None.	None.	None.
6 „	.746	.902	83.0	77.0	6.0	74.6	.77	82.7	84.0	„	0·2					
7 „	.765	.910	82.0	77.0	5.0	75·0	.80	82.0	83.8	„	0.1					
8 „	.777	.915	81.4	77.0	4.4	75.3	.82	81.7	83.7	WNW	0.1					
9 „	.805	.941	81.2	77.0	4.2	75.4	.83	81.3	83.6	„	0.1					
10 „	.805	.929	80.8	77.2	3.6	75.8	.85	81.2	83.6	„	0.0					
11 „	.800	.925	80.2	77.0	3.2	75.8	.87	80.9	83.6	„	0.0					
Sept. 1st—Midnight	.788	.907	79.6	77.0	2.6	76.0	.89	80.3	83.5	WNW	0.0					
1 a. m.	.770	.887	80.4	77.0	3.4	75.7	.86	80.6	83.5	„	0.0					
2 „	.760	.912	80.5	76.4	4.1	74.8	.84	80.7	83.5	W b N	0.0					
3 „	.754	.906	80.5	76.4	4.1	74.8	.84	80.7	83.4	W	0.0					
4 „	.756	.918	80.0	76.0	4.0	74.4	.84	80.2	83.3	„	0.2					
5 „	.766	.928	80.0	76.0	4.0	74.4	.84	80.0	83.3	WNW	0.1					
6 „	.775	.924	79.8	76.3	3.5	74.9	.86	80.0	83.2	„	0.1					
7 „	.795	.872	80.2	78.2	2.0	77.4	.92	80.3	83.2	„	0·1					
8 „	.805	.847	81.6	79.4	2.2	78.6	.91	81.5	83.3	N b E	0.1					
9 „	.812	.871	84.0	79.6	4.4	78.0	.83	82.4	83.5	NNE	0.1					
10 „	.810	.898	84.3	79.0	5.3	77.0	.80	82.6	83.5	NE b E	0·1					
11 „	.806	.894	84.3	79.0	5.3	77.0	.80	82·9	83.5	„	0·1	None.	None.	None.	None.	None.
Noon.	.787	.905	87.0	79.0	8.0	76.0	.71	84.3	83.7	W	0·1					
1 p. m.	.749	.839	88.3	80.0	8.3	77.0	.70	84.8	83.8	W b S	0.1					
2 „	.721	.819	89.0	80.0	9.0	76·7	.68	85.6	84.0	„	0·2					
3 „	.705	.824	88.6	79.4	9.2	76.0	.67	85.8	84.0	W	0.1					
4 „	.690	.812	87.4	79.0	8.4	75.9	.69	85.1	84.0	W b S	0.1					
5 „	.708	.844	84.8	78.0	6.8	75.4	.74	84.0	84.1	W b N	0.3					
6 „	.727	.889	82.8	76.8	6.0	74.4	.77	82.9	84.0	W	0.4					
7 „	.746	.891	82.0	77.0	5.0	75.0	.80	82.1	84.0	„	0.3					
8 „	.757	.892	81.8	77.2	4.6	75.4	.82	82.0	83.9	WNW	0·2					
9 „	.774	.934	81.6	76.5	5.1	74.5	.80	81.8	83.9	W b S	0.2					
10 „	.773	.940	81.2	76.2	5.0	74.2	.80	81.4	83.8	W	0.3					
11 „	.755	.918	80.6	76.0	4.6	74.4	.82	80.9	83.7	„	0.1					
Sept. 3rd—Midnight	.705	.871	80.4	76.0	4.4	74.3	.82	81.0	83.7	WSW	0.0					
1 a. m.	.694	.852	80.4	76.2	4.2	74.6	.83	81.0	83.7	SW	0.0					
2 „	.678	.808	80.6	77.0	3.6	75.6	.85	80.9	83.7	„	0.0					
3 „	.675	.829	80.0	76.2	3.8	74.7	.85	80.6	83.6	SW b S	0.0					
4 „	.679	.837	79.6	76.0	3.6	74.6	.85	80.2	83.5	SSW	0.0					
5 „	.685	.839	79.3	76.0	3.3	74.7	.86	80.0	83.5	„	0.0					
6 „	.703	.855	79.1	78.4	3.1	74.8	.87	79.8	83.4	„	0.0					
7 „	.721	.792	80.4	79.6	2.0	77.6	.92	80.8	83.5	SSE	0.0					
8 „	.732	.772	82.2	80.0	2.6	78.7	.89	81.9	83.5	SE b S	0.1					
9 „	.740	.772	83.0	78.0	3.0	78.9	.88	82.5	83.5	„	0.1					
10 „	.736	.850	82.8	79.7	4.8	76.1	.81	82.6	83.5	„	0.0					
11 „	.726	.784	84.2	80.0	4.5	78.1	.82	83.5	83.7	SSE	0.1					
Noon.	.706	.762	85.2	79.0	5.2	78.1	.80	84.6	83.9	„	0.4					
1 p. m.	.688	.782	84.8	80.0	5.8	76.8	.78	84.0	83.9	S	0.1	None.	None.	None.	None.	None.
2 „	.666	.729	85.8	78.0	5.8	77.9	.78	84.3	83.9	SSW	0.2					
3 „	.657	.804	85.8	78.0	7.8	75.0	.71	84.3	84.0	SW b S	0.1					
4 „	.650	.777	84.0	78.0	6.0	75.7	.77	83.5	84.0	SSW	0.1					
5 „	.650	.737	80.4	78.0	2.4	77.1	.90	81.4	83.8	S b E	0.0					
6 „	.662	.739	80.4	77.6	2.4	77.1	.90	81.4	83.7	„	0.0					
7 „	.670	.769	80.0	78.0	2.4	76.7	.90	81.0	83.6	„	0.0	0.01				
8 „	.688	.771	80.0	78.0	2.0	77.2	.92	80.8	83.5	S	0.0					
9 „	.698	.784	80.3	78.0	2.3	77.1	.90	81.0	83.5	„	0.3					
10 „	.708	.812	77.3	76.8	0.5	76.5	.98	79.0	83.4	SSE	0.4	0.05				
11 „	.699	.823	76.5	76.0	0.5	75.8	.98	78.0	83.2	„	0.4	0·18				

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩⌣ cumulo-strati; and ≀∩ nimbi.	
5	B	≀∩ scattered about, moving SE.	
5	C	" "	
3	C	≀∩ scattered about hor., moving SE.	
3	C	" "	
3	C	≀∩ and ≀ scattered about hor.	
2	R	" "	
6	R	≀∩ around hor.; ≀ scattered throughout.	
4	R	≀∩ around hor.; ≀ scattered here and there.	
4	R	" "	
3	B	" "	
2	B	" "	
2	B	" "	
3	B	≀, ≀≀, and ≀∩ scattered about.	Mean daily temperature of ground 20 and 60 inches below its surface 83°8 and 84°7. At 2 P. M. the temperature of air was 89°0, greatest in the month, and about 4°2 greater than the Normal Mean.
6	C	" "	
7	C	Densely clouded with ≀∩, moving ENE.	
6	C	≀∩ scattered about, moving ENE.	
5	C	" "	
6	R	≀ and ≀∩ scattered about, the latter moving E.	
6	R	" " "	
7	R	≀ and ≀∩ scattered about, the latter moving SE.	
7	R	≀∩ scattered throughout, moving E.	
4	B	A few ≀≀ in E; ≀∩ scattered about, moving ESE.	
4	B	" " "	
6	B	≀, ≀≀, and ≀∩ scattered throughout, the latter moving ESE.	
6	B	" " "	
5	C	≀∩ around hor.; ≀ and ≀≀ scattered about.	
6	C	" "	
6	C	" "	
7	C	Densely clouded with ≀∩ and ≀, the former moving ESE.	
7	B	Densely clouded with ≀, ≀≀, and ≀∩, the latter moving ESE.	
7	B	≀≀ and ≀∩ scattered throughout, the latter moving ESE.	
5	B	≀∩ around hor.; ≀ and ≀≀ scattered about.	
8	B	≀∩ around hor.; ≀≀ scattered throughout.	
8	B	" "	
7	B	" "	
7	B	" "	
8	R	≀∩ around hor., moving E; ≀ and ≀≀ scattered throughout; a lunar halo.	Mean daily temperature of ground 20 and 60 inches below its surface 83°5 and 84°4. Daily fall of rain by Osler's Gauge 0·24in.
7	B	≀∩ around hor.; ≀≀ and ≀ scattered throughout.	
7	B	≀∩ and ≀≀ scattered throughout, the former moving E; a few drops of rain at 2h. 4m.	
7	B	≀, ≀≀, and ≀∩ scattered throughout, the latter moving E; a lunar halo.	
8	B	Overcast with ≀, ≀≀, and ≀∩; a lunar halo.	
8	C	Clouded as before.	
8	C	Overcast with ≀, ≀≀, and ≀∩, the latter moving ESE.	
8	R	Overcast.	
8	C	"	
8	R	"	
8	R	Overcast with ≀, ≀≀, and ≀∩, the latter moving SE.	
8	R	≀ and ≀∩ scattered throughout, the latter moving ESE.	
8	R	" " " [1h. 60m.	
8	B	A few ≀≀ in W; ≀≀ scattered throughout, moving ESE; drops of rain from 1h. 5m. to 1h. 24m., and from 1h. 42m. to	
8	B	Overcast with ≀, ≀≀, and ≀∩, the latter moving NE; drops of rain from 2h. 0m. to 2h. 22m.	
8	B	Overcast; drops of rain from 3h. 12m. to 3h. 45m.	
8	B	Overcast; drops of rain from 4h. 10m. to 4h. 20m.	
8	C	Overcast; drops of rain.	
8	C	Overcast; drops of rain till 6h. 37m.	
8	C	Overcast; no rain.	
8	C	" "	
8	C	Overcast; drizzling rain after 9h. 28m.	
8	R	Overcast; raining lightly.	
8	R	" "	

Bombay Civil Time. 1860.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet-Bulb Thermometer.	Depression of Wet-Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same Degree of Tension after the charge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Sept. 4th-Midnight	29.696	28.793	77°6	77°0	0°6	76°7	0.97	78°6	83°0	SSE	0.3	0.08				
1 a. m.	.694	.820	77.1	76.1	1.0	75.7	.96	78.5	83.2	„	0.0					
2 „	.681	.775	77.4	77.0	0.4	76.8	.98	78.7	83.1	S b E	0.0	0.03				
3 „	.671	.797	77.1	76.1	1.0	75.7	.96	78.6	83.0	SSW	0.0	0.01				
4 „	.669	.796	76.8	76.0	0.8	75.7	.97	78.3	83.0	„	0.0	0.04				
5 „	.679	.772	77.3	77.0	0.3	76.9	.99	78.6	83.0	S	0.0					
6 „	.683	.809	76.7	76.0	0.7	76.4	.97	78.0	82.9	SSW	0.0	0.06				
7 „	.696	.822	76.7	76.0	0.7	76.4	.97	78.0	82.7	S•	0.0	0.01				
8 „	.703	.802	77.8	77.0	0.8	76.7	.97	78.6	82.7	„	0.0					
9 „	.713	.795	78.1	77.5	0.6	77.3	.97	79.0	82.7	SSE	0.0					
10 „	.714	.790	79.4	78.0	1.4	77.5	.94	80.0	82.7	„	0.0					
11 „	.701	.808	77.5	76.7	0.8	76.4	.97	78.7	82.7	„	0.1	0.23	None.	None.	None.	None.
Noon.	.682	.819	76.7	75.7	1.0	75.3	.96	78.2	82.5	WSW	0.1	0.35				
1 p. m.	.660	.751	78.0	77.5	0.5	76.9	.98	78.8	82.5	SSW	0.1	0.04				
2 „	.640	.733	79.4	77.6	1.8	76.9	.92	79.7	82.6	SW	0.1					
3 „	.615	.674	81.4	79.0	2.4	78.1	.90	80.9	82.7	WSW	0.1					
4 „	.612	.705	79.0	77.5	1.5	76.9	.94	79.4	82.6	W	0.1					
5 „	.623	.722	77.8	77.0	0.8	76.7	.97	78.6	82.6	NW b W	0.1	0.12				
6 „	.636	.751	77.5	76.5	1.0	76.1	.96	78.3	82.5	WNW	0.2	0.01				
7 „	.653	.775	76.4	76.0	0.4	75.9	.98	78.1	82.5	„	0.3	0.10				
8 „	.663	.785	76.4	76.0	0.4	75.9	.98	78.2	82.3	W	0.2					
9 „	.679	.801	76.4	76.0	0.4	75.9	.98	78.3	82.1	„	0.2					
10 „	.682	.810	76.9	76.0	0.9	75.6	.96	77.7	82.1	W b S	0.1					
11 „	.673	.800	76.8	76.0	0.8	75.6	.97	77.6	82.0	WNW	0.0	0.01				
Sept. 5th-Midnight	.662	.793	77.2	76.0	1.2	75.5	.95	77.8	82.0	W	0.1					
1 a. m.	.648	.805	77.4	75.4	2.0	74.6	.91	78.0	82.0	„	0.2					
2 „	.639	.766	78.2	76.4	1.8	75.7	.92	78.5	82.0	„	0.2					
3 „	.627	.758	78.4	76.4	2.0	75.6	.92	78.8	82.0	W b S	0.3					
4 „	.629	.721	77.2	77.0	0.2	76.9	.99	78.0	82.0	WSW	0.2	0.20				
5 „	.634	.728	77.4	77.0	0.4	76.8	.98	78.0	82.0	NW	0.3	0.57				
6 „	.651	.777	76.0	75.8	0.2	75.7	.99	77.2	81.8	W b S	0.0	0.19				
7 „	.664	.778	76.4	76.2	0.2	76.1	.99	77.1	81.8	NW	0.0	0.05				
8 „	.679	.773	77.4	77.0	0.4	76.8	.98	78.0	81.7	„	0.3	0.03				
9 „	.689	.787	78.5	77.2	1.3	76.7	.95	78.7	81.7	„	0.4					
10 „	.682	.784	78.8	77.2	1.6	76.6	.93	78.7	81.8	„	0.5					
11 „	.677	.758	80.6	78.2	2.4	77.3	.90	80.0	82.0	NW b W	0.6					
Noon.	.654	.743	80.5	78.0	2.5	77.0	.90	80.2	82.0	W	0.3					
1 p. m.	.636	.700	81.3	78.8	2.5	77.9	.90	80.9	82.0	WNW	0.5					
2 „	.609	.690	79.8	78.0	1.8	77.3	.92	80.0	82.0	W	0.6	0.06				
3 „	.602	.686	80.8	78.2	2.6	77.4	.89	80.5	82.1	„	0.6					
4 „	.595	.676	79.8	78.0	1.8	77.3	.92	79.9	82.1	„	0.7					
5 „	.615	.694	79.6	78.0	1.6	77.4	.93	79.9	82.0	„	0.3	0.03				
6 „	.627	.699	79.0	78.0	1.0	77.8	.96	79.1	82.0	WNW	0.2	0.16				
7 „	.645	.715	78.8	78.0	0.8	77.7	.97	79.1	82.0	WSW	0.1	0.21				
8 „	.654	.724	78.8	78.0	0.8	77.7	.97	79.0	82.0	W b S	0.2	0.24				
9 „	.680	.739	78.6	78.2	0.4	78.0	.98	78.9	82.0	„	0.3	0.14				
10 „	.662	.730	78.6	78.0	0.6	77.7	.97	78.9	82.0	WSW	0.6	0.18	—	Out of Sc.	30	Instantly.
11 „	.650	.715	78.4	78.0	0.4	77.8	.98	78.8	82.0	„	0.5	0.19	—	4		„
Sept. 6th-Midnight	.628	.727	77.8	77.0	0.8	76.7	.97	78.5	82.0	SW	0.8	0.09				
1 a. m.	.628	.691	78.2	78.0	0.2	77.9	.99	78.5	82.0	WSW	0.5	0.21				
2 „	.603	.661	78.5	78.2	0.3	78.1	.99	78.8	82.0	„	1.2	0.16				
3 „	.598	.661	78.2	78.0	0.2	77.9	.99	78.6	81.9	W	1.5	0.19				
4 „	.611	.674	78.2	78.0	0.2	77.9	.99	78.6	81.9	„	1.0	0.05				
5 „	.621	.718	77.6	77.0	0.6	76.7	.98	78.1	81.8	WNW	1.0	0.01	None.	None.	None.	None.
6 „	.635	.747	77.2	76.5	0.7	76.2	.97	78.0	81.8	„	0.4					
7 „	.636	.734	77.7	77.0	0.7	76.7	.97	78.0	81.7	W	0.3					
8 „	.656	.756	77.9	77.0	0.9	76.6	.96	78.3	81.7	WNW	0.2	0.01				
9 „	.661	.731	78.8	78.0	0.8	77.7	.97	79.0	81.7	W b S	0.3	0.01				
10 „	.658	.714	79.5	78.5	1.0	78.1	.96	79.6	81.8	WSW	0.3					
11 „	.648	.689	80.0	79.0	1.0	78.6	.96	80.0	82.0	W	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩≀ cumuli; ∪≀ cirro-strati; ∩≀ cumulo-strati; and ∨≀ nimbi.	
8	R	Overcast with ∨≀, moving NE; light rain from the time of observation to 0h. 56m.	Mean daily temperature of ground 20 and 60 inches below its surface 83°5 and 84°3. Daily fall of rain by Osler's Gauge 1·14in.
8	B	Overcast with ∨≀, moving ENE; drizzling rain from 1h. 0m. to 1h. 58m.	
8	B	Overcast; light rain at 2h. 40m., which lasted 4m.	
8	B	Overcast; light rain from 3h. 3m. to 3h. 25m.	
8	B	Overcast; no rain.	
8	C	Overcast with ∨≀, moving NE; light rain from 5h. 33m. to 5h. 47m.	
8	C	Overcast; light rain from 6h. 3m. to 6h. 30m.	
8	R	Overcast; drops of rain after 7h. 46m.	
8	C	Overcast; drops of rain.	
8	R	Overcast; drops of rain till 9h. 20m.	
8	R	Overcast; rain commenced after 10h. 34m.	
8	R	Overcast; rain ceased at 11h. 46m.	
8	R	Overcast; rain at 12h. 5m., which lasted 20m.; drizzling rain after 12h. 45m.	
8	B	Overcast; rain ceased at 1h. 45m.	
8	B	Overcast with ∨≀, moving ENE.	
8	B	Overcast with ∨≀, moving ESE; drizzling rain after 3h. 40m.	
8	B	Overcast with ∨≀, moving SE; raining lightly.	
8	C	" " "	
8	C	" " "	
8	C	Overcast; drizzling.	
8	C	Overcast; drops of rain ceased 8h. 14m.	
8	C	Overcast; no rain.	
8	R	Overcast; light rain from 10h. 40m. to 11h.	
8	R	Overcast; drops of rain from 11h. 0m. to 11h. 20m.	
8	R	Overcast with ∨≀, moving ESE.	Mean daily temperature of ground 20 and 60 inches below its surface 83°3 and 84°2. Daily fall of rain by Osler's Gauge 3·17in.; the Height of Barometer at 4 P. M. was 29·595in., lowest in the month, and about 0·098in. lower than the Normal Mean; at 6 A. M. the temperature of Air was 76°0, least during the month, and 2°6 lower than the Normal Mean.
8	B	Overcast with ∨≀, moving SE.	
8	B	" "	
8	B	Overcast; heavy rain after 3h. 11m.	
8	B	Overcast; raining.	
8	C	" "	
8	C	" "	
8	R	Overcast; rain ceased at 7h. 36m.	
8	C	Overcast; no rain.	
8	R	Overcast; drizzling rain after 9h. 17m.	
8	R	Overcast; rain ceased at 10h. 10m.	
8	R	Overcast; no rain.	
8	R	" "	
8	B	Overcast; rain commenced at 1h. 32m.	
8	B	Overcast; rain ceased at 2h. 17m.	
8	B	Overcast; rain commenced at 3h. 5m.	
7	B	Overcast; raining.	
8	C	" "	
8	C	" "	
8	C	Overcast; raining; lightning in E at intervals of 8m.	
8	C	Overcast; raining; lightning in E at intervals of 3m.	
8	C	Overcast; raining; lightning in E at intervals of 2m.	
6	R	Overcast; raining; lightning in E at intervals of 4m.	
8	R	Overcast; raining; no lightning.	
8	R	Overcast with ∨≀, moving SE; raining.	Mean daily temperature of ground 20 and 60 inches below its surface 83°2 and 84°2. Daily fall of rain by Osler's Gauge 1·25in.
8	B	Overcast; raining; lightning and thunder in NNW at 1h. 32m.	
8	B	Overcast; raining; lightning in NNW at intervals of 2m. 36s.	
8	B	Overcast; rain ceased at 3h. 46m.	
8	B	Overcast; light rain from 4h. 37m. to 4h. 49m.	
8	C	Overcast; drops of rain from 5h. 0m. to 5h. 20m.	
6	C	Overcast; drizzling rain after 6h. 25m.	
8	R	Overcast; raining.	
8	R	" " "	
8	R	Overcast with ∨≀, moving E; rain ceased at 9h. 20m.	
8	R	Overcast with ∨≀, moving SE; light rain after 10h. 23m.	
8	R	Overcast; raining very lightly.	

Bombay Civil Time. 1860.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 Inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of divergence after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Sept. 6th—Noon.	29.632	28.673	80°0	79°0	1°0	78°6	0.96	80°0	82°0	WNW	0.2					
1 p. m.	.632	.721	78.8	77.5	1.3	77.0	.95	79.2	81.9	W	0.1	0.02	+	6	6	0.02
2 „	.621	.712	78.6	77.4	1.2	76.9	.95	79.1	81.9	SW b W	0·1	0.05				
3 „	.607	.648	80.0	79.0	1.0	78.6	.96	79.8	81.9	SSW	0.1	0.05				
4 „	.604	.695	80.7	78.0	2.7	76.9	.89	80.2	82.0	S	0.1					
5 „	.600	.705	78.4	77.0	1.4	76.5	.94	78.0	82.0	W b S	0.2	0 01				
6 „	.608	.733	76.6	76.0	0.6	76.8	.98	77.4	81.8	WNW	0.3	0.23				
7 „	.626	.751	76.6	76.0	0.6	76.8	.98	77.4	81.7	„	0.1	0.07				
8 „	.633	.726	77.3	77.0	0.3	76.9	.99	77.7	81.7	WSW	0.7	0.08				
9 „	.655	.742	77.8	77.3	0.5	77.1	.98	78.0	81.6	„	0.5					
10 „	.664	.756	77.2	77.0	0.2	76.9	.99	77.8	81.5	„	0.5					
11 „	.662	.743	78.0	77.5	0.5	77.3	.98	79.2	81.5	W b S	0.5					
Sept. 7th—Midnight	.655	.756	78.0	77.0	1.0	76.6	.96	78.3	81.5	SW	0.4					
1 a. m.	.650	.743	79.0	77.5	1.5	76.9	.94	79.4	81.5	WSW	0.6					
2 „	.632	.741	78.7	77.0	1.7	76.3	.93	79.0	81.5	SW	0.5					
3 „	.619	.739	77.6	76.4	1.2	75.9	.95	78.2	81.5	WSW	0.7	0.07				
4 „	.627	.747	77.6	76.4	1.2	75.9	.95	78.1	81.5	W	0.6	0.05				
5 „	.636	.775	77.0	76.0	1.0	75.6	.96	77.6	81.5	„	0.4	0.20				
6 „	.651	.767	77.2	76.4	0.8	76.1	.97	77.9	81.5	W b S	0.0					
7 „	.669	.768	77.8	77.0	0.8	76.7	.97	78.1	81.3	WSW	0.0	0.10				
8 „	.684	.782	77.7	77.0	0.7	76.7	.97	78.0	81.4	W b S	0.5	0.26				
9 „	.695	.824	79.1	76.6	2.5	75.6	.90	79.1	81.5	W	0.5					
10 „	.696	.754	80.4	78.7	1.7	78.1	.93	80.0	81.5	WSW	0.1					
11 „	.680	.701	82.0	80.0	2.0	79.3	.92	81.0	81.7	„	0.4		None.	None.	None.	None.
Noon.	.673	.779	79.2	77.2	2.0	76.4	.92	79.7	81.8	„	0.6	0.03				
1 p. m.	.657	.663	80.6	80.0	0.6	79.8	.99	80.3	81.7	SW	0.4	0·06				
2 „	.644	.644	84.0	81.0	3.0	80.0	.88	82.3	82.0	WSW	0.2					
3 „	.630	.699	80.2	78.4	1.8	77.7	.92	80.2	81.8	W b S	0·1	0.10				
4 „	.629	.679	80.8	79.0	1.8	78.3	.93	80.5	82.0	WSW	0.1	0.06				
5 „	.620	.739	79.6	77.0	2.6	76.0	.89	79.8	82.0	„	0.3					
6 „	.620	.742	79.5	77.6	1.9	75.9	.91	79.7	82.0	„	0.2					
7 „	.644	.763	79.6	77.0	2.6	76.0	.89	79.6	81.9	„	0.4					
8 „	.663	.746	80.0	78.0	2.0	77.2	.92	80.0	81.9	„	0.2					
9 „	.671	.756	80.2	78.0	2.2	77.2	.91	80.0	82.0	„	0.2					
10 „	.679	.743	80.2	78.5	1.7	77.9	.93	80.0	82.0	SW b W	0.2					
11 „	.673	.737	80.2	78.5	1.7	77.9	.93	80.0	82.0	SW	0.2					
Sept. 8th—Midnight	.662	.732	78.8	78.0	0.8	77.7	.97	79.2	82.0	SW	0.1	0.01				
1 a. m.	.656	.729	79.8	78.2	1.6	77.6	.94	80.0	82.0	WSW	0.5					
2 „	.631	.713	79.9	78.0	1.9	77.3	.92	80.0	82.0	„	0.7					
3 „	.629	.766	79.5	76.5	3.0	75.3	.98	79.5	82.0	„	2.0					
4 „	.632	.735	78.2	77.0	1.2	76.5	.95	78.6	82.0	W	0.8	0.06				
5 „	.629	.705	79.4	78.0	1.4	77.5	.94	79.2	82.0	WSW	1.8					
6 „	.647	.711	80.2	78.5	1.7	77.9	.93	80.0	81.9	„	1.5					
7 „	.662	.710	80.6	79.0	1.6	78.4	.94	80.3	82.0	„	0.8					
8 „	.682	.734	81.0	79.0	2.0	78.3	.92	80.8	82.0	„	0.7					
9 „	.690	.739	80.7	79.0	1.7	78.4	.93	80.4	82.0	„	0.8					
10 „	.692	.744	81.0	79.0	2.0	78.3	.92	80.8	82.0	W	0.5					
11 „	.686	.744	81.5	79.0	2.5	78.1	.90	81.0	82.2	„	0·8		None.	None.	None.	None.
Noon.	.668	.735	82·4	79.0	3.4	77.8	.86	81.7	82.3	„	0.7					
1 p. m.	.651	.712	82.6	79.2	3.4	78.0	.86	81.8	82.3	„	0.8					
2 „	.635	.670	83.3	80.0	3.3	78.8	.87	82.3	82.4	„	0.7					
3 „	.624	.667	84.0	80.0	4.0	78.6	.84	82.5	82.5	„	0.5					
4 „	.624	.680	82.5	79.3	3.2	78.1	.87	82.1	82.5	„	0.2					
5 „	.618	.696	81.5	78.5	3.0	77.4	.88	81.5	82.5	WNW	0.8					
6 „	.628	.698	80.8	78.5	2.3	77.7	.91	80.9	82.5	W	0.3	0.03				
7 „	.658	.728	80.8	78.5	2.3	77.7	.91	80.5	82.5	„	0·5					
8 „	.668	.751	80·0	78.0	2.0	77.2	.92	80.0	82.4	„	0.2	0.07				
9 „	.686	·769	80.0	78.0	2.0	77.2	.92	80.0	82.3	„	0.8					
10 „	.696	.779	80.0	78.0	2.0	77.2	.92	80.0	82.3	„	0.4					
11 „	.694	.775	79.8	78.0	1.8	77.3	.92	80.0	82.3	„	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are : ≀ cirri ; ≀≀ cirro-cumuli ; ∩ cumuli ; ⌣ cirro-strati ; ∩∩ cumulo-strati ; and ≀≀ nimbi.	
8	R	Overcast; raining very lightly.	
8	B	Overcast; raining lightly.	
8	B	Overcast with ≀≀, moving ESE; rain ceased at 2h. 18m.	
7	B	Densely clouded with ≀≀, moving ENE.	
7	B	Densely clouded with ≀, ≀≀, and ≀≀, the latter moving ENE; drizzling rain from 4h. 27m.	
8	C	Overcast; raining lightly.	
8	C	" "	
8	C	Overcast; rain ceased at 7h. 47m.	
8	C	Overcast; drizzling rain between 8h. 19m. and 8h 25m.	
8	R	Overcast; no rain.	
8	R	Overcast with ≀≀, moving E; rain between 10h. 0m. and 10h. 17m.	
8	R	Overcast; no rain.	
8	R	Overcast with ≀≀, moving ENE.	Mean daily temperature of ground 20 and 60 inches below its surface 83°0 and 84°2. Daily fall of rain by Osler's Gauge 1·02in.;
8	B	" "	
8	B	Overcast; light rain from 2h. 13m. to 2h. 40m.	
8	B	Overcast no rain.	
8	B	Overcast; rain commenced at 4h. 2m. and ceased at 4h. 51m.	
8	C	Overcast; no rain.	
7	C	Densely clouded; light rain after 6h. 55m.	
8	C	Overcast; rain ceased at 7h. 34m.	
7	C	Densely clouded; no rain.	
8	R	" "	
8	R	Overcast; very light rain from 10h. 26m. to 10h. 34m.	
8	R	Overcast; drizzling rain after 11h. 20m.	
8	R	Overcast; raining lightly till 12h. 38m.	
7	B	Densely clouded; a few drops of rain at 1h. 13m.	
7	B	Densely clouded with ≀, ≀≀, and ≀≀, the latter moving E; rain commenced at 2h. 32m.	
8	B	Overcast; showers of rain after 3h. 17m.	
8	B	Overcast; no rain.	
8	C	Densely clouded with ≀, ≀≀, and ≀≀, the latter scattered about hor., moving E.	
7	C	" " " "	
4	C	≀≀ around hor., moving E; a few ≀ and ≀≀ scattered above E hor.	
5	C	≀≀ scattered about, moving E.	
4	R	≀≀ and ≀ scattered about hor., the former moving E.	
4	R	" " "	
7	R	Densely clouded with ≀≀, moving E; a passing shower of rain at 11h. 25m., which lasted 2m.	
6	R	≀, ≀≀, and ≀≀ scattered about, the latter moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 83°0 and 84°2. Daily fall of rain by Osler's Gauge 0·16in.
8	B	Overcast with ≀≀ and ≀≀, the former moving E.	
7	B	≀≀ around hor.; ≀≀ scattered throughout.	
8	B	Overcast; drizzling rain from 3h. 5m. to 3h. 18m.	
8	B	Overcast; drizzling rain from 4h. 10m. to 4h. 30m.	
8	C	Overcast; no rain.	
8	C	" "	
8	C	" "	
8	C	" "	
8	C	Overcast; light drizzling rain from 9h. 4m. to 9h. 12m.	
8	R	Overcast; no rain.	
8	R	" "	
8	R	" "	
8	B	" "	
8	B	Overcast; a few drops of rain at 2h. 43m.	
8	B	≀≀ around hor.; ≀ and ≀≀ scattered throughout.	
7	B	≀≀ and ≀≀ scattered throughout, the latter moving ESE.	
8	R	Overcast; light shower of rain at 5h. 5m., which lasted 2m.	
8	R	Overcast; passing shower of rain at 6h. 8m.	
8	R	Overcast; a shower of rain at 7h. 25m., which lasted 3m.	
8	R	Overcast; no rain.	
2	R	≀≀ scattered about hor., moving ESE.	
4	R	" "	
3	R	≀≀ scattered about hor., moving SE.	

Bombay Civil Time. 1860.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in seconds between same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Sept 10th-Midnight	29.765	28.852	80°4	78°0	2°4	77°1	0.90	80°0	82°5	NW	0.1					
1 a. m.	.762	.865	80.0	77·5	2.5	76.5	.90	80.0	82.5	„	0·1					
2 „	.751	.864	79.8	77.2	2.6	76.2	.89	80.0	82.4	„	0.1					
3 „	.744	.857	79.8	77.2	2.6	76.2	.89	80.0	82.4	NW b N	0.2					
4 „	.748	.861	79.8	77.2	2.6	76.2	.89	80.0	82·4	NNW	0.2					
5 „	.761	.861	79.8	77.5	2.3	76.6	.90	79.9	82.3	„	0·3					
6 „	.781	.879	79.6	77.5	2.1	76.7	.91	80.0	82.3	„	0.1					
7 „	.803	.888	80.2	78.0	2.2	77.2	.91	80.2	82.4	NW b N	0·1					
8 „	.817	.882	82.2	79.0	3.2	77.8	.87	81.4	82.5	„	0.1					
9 „	.821	.889	83.2	79.2	4.0	77.7	.84	82.0	82.6	„	0·1					
10 „	·826	.908	83.7	79.0	4.7	77·3	.82	82.6	82.7	NNW	0.1					
11 „	.822	.874	84.8	80.0	4.8	78.3	.81	83.1	82·9	„	0·1					
Noon.	.804	.895	84.5	79.0	5.5	76.9	.79	83.1	83.0	NW	0·4		None.	None.	None.	None.
1 p. m.	.797	.897	84.6	78.8	5.8	76.6	.78	83.2	83.0	WNW	0·2					
2 „	.775	.875	84.6	78·8	5.8	76.6	.78	83.3	83.0	NW	0.1					
3 „	.768	.855	84.2	79.0	5.2	77.2	.80	83.0	83.0	NW b W	0·1					
4 „	.760	.870	83.2	78.2	5.0	76.3	.80	82.4	83.0	„	0.1					
5 „	.758	.867	82.4	78.0	4.4	76.3	.83	82.0	83.0	„	0·1					
6 „	.775	.881	81.7	77.9	3.8	76.4	.85	81·6	82.9	„	0.1					
7 „	.794	.912	81.0	77.4	3.6	76.0	.85	81.0	82.9	„	0.1					
8 „	.816	.908	80.8	78.0	2.8	76.9	.89	80.9	82.9	„	0.1					
9 „	.823	.915	80.8	78.0	2.8	76.9	.89	80.8	83.0	NW	0.1					
10 „	.817	.941	78.7	76.6	2.1	75·8	.91	79.7	82.8	WNW	0.0	0.01				
11 „	.815	.984	79·6	78.0	1.6	77.4	.93	80.0	82.7	„	0.0					
Sept 11th-Midnight	.809	.892	80.0	78.0	2.0	77.2	.92	80.1	82.7	WNW	0.1					
1 a. m.	.798	.917	79.6	77.0	2.6	76.0	.89	79.9	82.7	„	0.1					
2 „	.790	.903	79.8	77.2	2.6	76.2	.89	80.0	82.7	„	0.1					
3 „	.787	.906	79.6	77.0	2.6	76.0	.89	80.0	82.6	„	0.1					
4 „	.785	.905	79.7	77.0	2.7	75.9	.89	80.0	82.6	NW b W	0.1					
5 „	.797	.926	78.4	76.4	2.0	75.6	.92	79·0	82.5	WNW	0.1	0.01				
6 „	.818	.945	78.6	76.5	2.1	75.7	.91	79.2	82.5	„	0.1					
7 „	.838	.911	79.8	78.2	1.6	77.6	.93	80·0	82.5	NW	0.0					
8 „	.853	.909	80.6	78.8	1.8	78.1	.92	80.6	82.5	„	0.0					
9 „	.861	.917	81.4	79·0	2.4	78.1	.90	81.0	82.7	W	0.0					
10 „	.865	.895	82.8	80.0	2.8	79.0	.89	82.0	82·7	NW b N	0.1					
11 „	.853	29.000	78·6	76.0	2.6	75.0	.89	79.5	82.7	WNW	0.3					
Noon.	·831	28.940	78.7	77.0	1.7	76.3	.93	79.4	82.5	„	0.1	0.07	None.	None.	None.	None.
1 p. m.	.818	.897	79.6	78.0	1.6	77.4	.94	79.7	82.5	W	0.1					
2 „	.798	.853	82.8	79.4	3.4	78.2	.86	82.0	82.6	„	0.1					
3 „	.779	.891	82.6	78.0	4.6	76.2	.82	81.7	82.7	WNW	0.2					
4 „	.774	.884	81.0	77·6	3.4	76.3	.86	80.6	82.7	„	0.1	0.04				
5 „	.767	.859	80.8	78.0	2.8	76.9	.89	80.7	82.6	„	0.1	0.02				
6 „	.785	.877	79.7	77.7	2.0	76.9	.92	80·0	82.5	NW	0.2					
7 „	.805	.902	79.5	77.5	2.0	76.7	.92	79.8	82.5	„	0.1					
8 „	.825	.925	79.4	77.4	2.0	76.6	.92	79.8	82.4	„	0·1					
9 „	.827	.914	79.6	77.8	1.8	77.1	.92	79.8	82·5	„	0.1					
10 „	.827	.924	79.5	77·5	2.0	76.7	.92	79.8	82.5	„	0.0					
11 „	.817	.933	79.4	77.0	2.4	76.1	.90	79.8	82.5	WNW	0.0					
Sept 12th-Midnight	.795	.910	79.3	77.0	2.3	76.1	.90	79.6	82.5	WNW	0.2					
1 a. m.	.785	.899	79.2	77.0	2.2	76.1	.90	79.5	82.5	„	0.1					
2 „	.773	.886	79.1	77.0	2.1	76.2	.91	79.4	82.5	„	0·1					
3 „	.773	.886	79.1	77.0	2.1	76.2	.91	79.4	82.4	„	0.0					
4 „	.782	.889	78.5	77.0	1.5	76.4	.94	79.1	82.4	„	0.0					
5 „	.787	.891	78.3	77.0	1.3	76.5	.94	79.0	82.3	„	0.0	None.	None.	None.	None.	None.
6 „	.801	.902	78.0	77.0	1.0	76.6	.96	78.9	82.3	„	0.0					
7 „	.823	.895	80.0	78.2	1.8	77.6	.92	80.0	82.3	N b W	0·0					
8 „	.837	.914	80.9	78.4	2.5	77.4	.90	80.7	82.4	„	0.0					
9 „	.844	.869	82.4	80.0	2.4	79.2	.90	81.5	82.5	„	0·0					
10 „	.842	.893	83.6	79.7	3.9	78.3	.85	82.5	82.6	NNW	0.1					
11 „	.829	.880	83.6	79.7	3.9	78.3	.85	82.6	82.7	WNW	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ∪ cirro-strati; ∩∪ cumulo-strati; and ≀∪ nimbi.	
7	R	Densely clouded with ≀∪ and ≀≀, the former moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 82°9 and 84°2. Daily fall of rain by Osler's Gauge 0.01in.
7	B	" " "	
8	B	Overcast with ≀∪ and ≀≀, the former moving SE.	
8	B	Overcast.	
8	B	"	
8	C	"	
8	C	"	
8	C	"	
8	C	"	
8	R	"	
8	R	Overcast with ≀∪ and ≀≀, both moving ESE.	
7	R	Densely clouded with ≀, ≀≀, and ≀∪, the latter moving E.	
8	R	Overcast with ≀∪, moving SE.	
8	B	Overcast.	
8	B	"	
8	B	"	
8	B	"	
8	C	"	
8	C	Overcast; a few drops of rain at 6h. 53m.	
8	C	Overcast; no rain.	
8	C	" "	
8	R	Overcast; a shower of rain at 9h. 23m., which lasted 2m.	
7	R	Densely clouded with ≀∪, moving SE.	
7	R	" "	
6	R	≀ and ≀∪ scattered throughout, the latter moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 82°9 and 84°2. Daily fall of rain by Osler's Gauge 0.17in. The Height of Barometer at 10 A. M. was 29·865in., highest in the month, and 0·088in. higher than the Normal Mean.
7	B	" " "	
7	B	Densely clouded with ≀, ≀≀, and ≀∪, the latter moving ESE.	
8	B	Overcast with ≀≀ and ≀∪, the latter moving ESE.	
8	B	Overcast; light rain from 4h. 47m. to 4h. 58m.	
8	C	Overcast with ≀ and ≀∪, the latter moving E.	
7	C	≀≀ around hor.; ≀ and ≀≀ scattered throughout.	
7	C	Densely clouded with ≀∪, moving E.	
8	C	" "	
8	R	Overcast; a passing shower of rain at 9h. 19m.	
7	R	Densely clouded with ≀∪, moving E; drizzling rain from 10h. 40m.	
8	R	Overcast; raining.	
8	R	Overcast; rain ceased at 12h. 43m.	
8	B	Overcast; no rain.	
7	B	Densely clouded; no rain.	
8	B	Overcast with ≀≀ and ≀∪, the latter moving SE; light rain from 3h. 54m.	
8	B	Overcast; rain ceased at 4h. 10m.	
8	C	Overcast; no rain.	
8	C	" "	
8	C	" "	
7	C	≀∪ around hor.; otherwise clouded with ≀.	
4	R	≀∪ around hor.; ≀ and ≀≀ scattered about.	
4	R	" "	
4	R	" "	
4	R	≀ and ≀∪ scattered about hor., the latter moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 82°9 and 84°2.
2	B	≀ and ≀∪ scattered around hor.	
3	B	≀ and ≀∪ scattered around hor.; a few ≀≀ above S hor.	
4	B	≀∪ scattered about, moving SE.	
5	B	" "	
7	C	≀∪ scattered throughout, moving ESE.	
7	C	" "	
7	C	" "	
7	C	" "	
7	R	" "	
6	R	≀∪ scattered about, moving SE.	
8	R	≀∪ scattered throughout, moving SE.	

Bombay Civil Time. 1860.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in seconds between same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Sept. 12th-Noon.	29.810	28.903	84°7	79°0	5°7	76°9	0.78	83°0	82·8	WNW	0.2					
1 p. m.	.798	.892	85.6	79.2	6.4	76.8	.76	83.6	82.8	„	0.2					
2 „	.773	.893	85.7	78.6	7.1	75.9	.74	83.7	83.0	„	0.4					
3 „	.759	.892	85.3	78.2	7.1	75.5	.74	83.6	83.0	„	0.6					
4 „	.753	.863	84.8	78.6	6.2	76.3	.76	83.3	83.0	„	0.8					
5 „	.751	.871	83.4	78.0	5.4	75.9	.79	82.7	83.0	NW b W	0.5	None.	None.	None.	None.	None.
6 „	.769	.874	82.0	78.0	4.0	76.5	.84	81.9	83.0	WNW	0.4					
7 „	.791	.909	81.4	77.5	3.9	76.0	.84	81.1	83.0	NW b W	0.3					
8 „	.809	.923	81.0	77.5	3.5	76.1	.86	81.0	82.9	NW	0·2					
9 „	.821	.935	81.0	77.5	3.5	76.1	.86	81.0	82.8	NW b W	0·2					
10 „	.819	.949	80.6	77.0	3.6	75.6	.85	80.6	82.9	WNW	0.3					
11 „	.810	.918	80.5	77.5	3.0	76.4	.88	80.5	82.9	„	0.3					
Sept 13th-Midnight	.792	.917	80.2	77.0	3.2	75.8	.87	80.2	82.9	WNW	0.0					
1 a. m.	.781	.895	79.9	77·2	2.7	76.1	.88	80.0	82.9	„	0.1					
2 „	.773	.895	79.8	77.0	2.8	75.9	.88	80.0	82.8	NW b W	0.2					
3 „	.764	.901	79·6	76.6	3.0	75.3	.88	79.9	82.7	„	0.2					
4 „	.765	·909	79.4	76.3	3.1	75.1	.87	79.8	82.6	„	0.1					
5 „	.769	.886	79.4	77.0	2.4	76.0	.90	79.8	82·6	„	0.1					
6 „	.785	.919	79.2	76.5	2.7	75.4	.88	79.7	82.6	„	0.1					
7 „	.809	·935	80.3	77·0	3.3	75·7	.86	80.2	82.6	„	0.2					
8 „	.828	.935	82.2	78.0	4.2	76.4	.83	81.3	82.7	„	0.1					
9 „	.843	.934	83.4	78.7	4.7	76.9	.82	82.1	82.8	„	0.1					
10 „	.832	.926	84.8	79.0	5.8	76.8	.78	83.0	83.0	„	0.3					
11 „	.816	.935	85·2	78.5	6.7	76.0	.75	83.4	83.0	WNW	0.1	None.	None.	None.	None.	None.
Noon.	.792	.896	85.7	79.0	6.7	76·5	.75	84.0	83.2	„	0.4					
1 p. m.	.776	.872	85.0	79.0	6.0	76.8	.77	83.6	83.3	NW	0·2					
2 „	.760	.855	84.9	89.0	5.9	76.8	.78	83.6	83·3	WNW	0.1					
3 „	.750	.875	84.6	78.2	6.4	75.8	.76	83·2	83.3	„	0.3					
4 „	.736	.873	84.2	77.8	6.4	75.3	.76	83.1	83.3	„	0.4					
5 „	.734	.857	82.9	77·8	5.1	75.8	.80	82.5	83.2	„	0.3					
6 „	.743	.860	81.6	77.6	4.0	76.0	.84	81.5	83.2	„	0.1					
7 „	.757	.893	81·2	77.0	4.2	75.4	.83	81.1	83.2	„	0·1					
8 „	.780	.891	80.8	77.5	3.3	76.3	.86	81.0	83.1	„	0.1					
9 „	.795	.887	80.8	78·0	2.8	76.9	.89	81.0	83.0	„	0.2					
10 „	.793	.920	80.4	77.0	3.4	75.7	.86	80.9	83.0	NW	0.2·					
11 „	.785	·910	80·2	77.0	3.2	75.8	.87	80.5	83.0	„	0·3					
Sept 14th-Midnight	.769	.912	80.0	76.5	3.5	75.1	.86	80.1	83.0	WNW	0.1					
1 a. m.	.759	.910	79·7	76.2	3.5	74.8	.86	80.0	83·0	„	0.1					
2 „	.754	.899	79·6	76.3	3.3	75.0	.86	80.0	82.9	„	0.1					
3 „	.750	.905	79.4	76.0	3.4	74.7	.86	79.9	82.9	„	0·1					
4 „	.754	.891	79.5	76.5	3.0	75.3	·88	79.9	82·8	„	0.1					
5 „	.759	.880	79.4	76.9	2.5	75.9	.90	79.8	82.8	„	0.1					
6 „	.765	.883	79.5	77.0	2·5	76.0	·90	80.8	82.8	„	0.1					
7 „	.787	.910	80.0	77.0	3.0	75.8	·88	80.2	82.7	„	0.1					
8 „	.801	.927	81.0	77.2	3.8	75.6	.85	80.7	82.8	„	0.1					
9 „	.812	.917	82.0	78·0	4.0	76.5	·84	81.5	82.8	„	0.1					
10 „	.815	.907	82 .8	78.5	4.3	76.9	.83	82.0	82.9	„	0.1					
11 „	.805	.921	83.0	78.0	5·0	76.1	.80	82.0	82.9	„	0.4	None.	None.	None.	None.	None.
Noon.	.781	.900	84.0	78.2	5.8	76.0	.78	82.9	83.0	„	0.4					
1 p. m.	.767	.854	84.9	79·2	5.7	77.1	·78	83.4	83.0	„	0.2					
2 „	.756	.873	85.0	78.5	6.5	76.0	.75	83.6	83.1	W	0.2					
3 „	.738	.858	83.4	78.0	5.4	75.9	.79	82.6	83.1	„	0.2					
4 „	.737	.870	82.8	77.5	5.3	75.5	.79	82.1	83.1	„	0.1					
5 „	.743	.888	82.0	77·0	5.0	75.0	.80	81.7	83.1	„	0.1					
6 „	.745	.897	81.2	76.6	4·6	74.8	.82	81.0	83.1	„	0.1					
7 „	.756	.888	80.8	77.0	3.8	75.5	.85	81.0	83.0	W b S	0.1					
8 „	.760	.892	80.8	77.0	3.8	75.5	.85	80.9	82.9	„	0.1					
9 „	.777	.900	80.7	77.2	3.5	75.8	.86	80.8	83.0	„	0.4					
10 „	.773	.882	80.6	77·5	3.1	76.3	.87	80.7	83.0	W	0.1					
11 „	.757	.884	80.4	77.0	3·4	75.7	.85	80.5	83.0	„	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are : ≀ cirri ; ≀≀ cirro-cumuli ; ∩ cumuli ; ⌣ cirro-strati ; ∩⌣ cumulo-strati ; and ≀≀ nimbi.	
6	R	≀≀ scattered throughout, moving SE.	
4	B	≀≀ scattered about ; a few ≀≀ above SW hor.	
3	B	≀≀ and ≀≀ scattered about hor.	
3	B	≀≀, ≀≀, and ≀ scattered about hor.	
4	B	≀≀ and ≀≀ around hor. ; ≀ scattered here and there.	
7	C	Densely clouded with ≀ and ≀≀, the latter moving SE.	
7	C	,, ,, ,,	
4	C	≀≀ scattered about hor., moving SE.	
4	C	,, ,,	
4	C	,, ,,	
4	R	,, ,,	
3	R	,, ,,	
3	R	≀≀ scattered about hor., moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 83°0 and 84°2.
2	B	,, ,,	
3	B	,, ,,	
4	B	≀≀ scattered about, moving E.	
4	B	,, ,,	
6	C	,, ,,	
5	C	,, ,,	
5	C	,, ,,	
6	C	,, ,,	
6	R	,, ,,	
6	R	,, ,,	
6	R	≀ and ≀≀ scattered throughout, the latter moving E.	
8	R	Overcast with ≀ and ≀≀, the latter moving SE.	
8	B	Overcast.	
8	B	,,	
8	B	,,	
8	B	,,	
8	C	,,	
4	C	≀≀ around hor., moving E ; ≀ scattered throughout.	
3	C	,, ,, ,,	
2	C	≀≀ scattered about hor., moving SE.	
6	R	≀≀ scattered throughout, moving SE ; light rain from 9h. 0m. to 9h. 10m.	
4	R	≀≀ scattered about, moving SE.	
3	R	,, ,,	
4	R	≀≀ scattered about, moving ESE.	Mean daily temperature of ground 20 and 60 inches below its surface 83°0 and 84°2.
3	B	≀≀ scattered about hor.	
3	B	,, ,,	
2	B	,, ,,	
3	B	,, ,,	
4	C	,, ,,	
7	C	≀≀ around hor. ; ≀ scattered throughout.	
8	C	Overcast with ≀ and ≀≀, the latter moving ESE.	
8	C	Overcast.	
8	R	,,	
8	R	,,	
8	R	Overcast with ≀≀ and ≀, the former moving SE.	
8	R	Overcast.	
8	B	,,	
8	B	,,	
8	B	,,	
8	B	,,	
8	C	,,	
8	C	,,	
8	C	,,	
8	C	,,	
8	R	,,	
8	R	,,	
8	R	,,	

Bombay Civil Time. 1860.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Sept 15th-Midnight	29.746	28.844	80°2	77°7	2°5	76°7	0.90	80°5	82°9	W	0.1					
1 a. m.	.737	.856	80.4	77.2	3.2	76.0	.87	80.5	82.9	„	0·1					
2 „	.723	.847	80.1	77.0	3.1	75.8	.87	80.1	82.9	„	0·2					
3 „	·723	.847	80.0	77.0	3.0	75.8	.87	80.1	82.9	„	0.1					
4 „	.730	.832	80.0	77.5	2.5	76.6	.90	80.1	82.9	„	0.0					
5 „	.730	.828	79.6	77.5	2.1	76.7	.91	80.0	82.8	WSW	0.0					
6 „	.742	.842	79·8	77.5	2.3	76.6	.90	80.1	82.8	„	0.0					
7 „	.761	.851	80.6	78.0	2.6	77.0	.89	80.6	82.8	„	0.0					
8 „	.774	.837	82.0	79.0	3.0	77.9	.88	81.6	82.9	„	0·0					
9 „	.784	.823	83.6	80.0	3.6	78.7	.86	82.5	83.0	„	0.0					
10 „	.776	.848	84.8	79.5	5.3	77.6	.80	83.4	83.0	„	0.3					
11 „	.767	.834	86.2	80.0	6.2	77.8	.77	84.0	83.3	„	0.1		None.	None.	None.	None.
Noon.	.738	.823	86.7	79.7	7.0	77.5	.74	84·7	83.4	SW b W	0·1					
1 p. m.	.732	.822	85.2	79.2	6.0	77.0	.77	84.0	83.4	W	0.1					
2 „	.718	.821	86.4	79.2	7.2	76.5	.73	84.3	83.4	„	0·1					
3 „	.708	.813	86.6	79.2	7.4	76.5	.73	84·6	83.5	„	0·1					
4 „	.703	.805	86.3	79.2	7.1	76.6	.74	84.3	83.6	„	0·1					
5 „	.700	.827	84.0	78.0	6.0	75.7	.77	83.4	83.6	„	0·1					
6 „	.704	.838	82.5	77.4	5.1	75.4	.80	82.4	83.5	„	0·1					
7 „	.715	.856	81.6	77.0	4.6	75.2	.82	81.7	83.4	„	0.1					
8 „	.740	.866	80.3	77.0	3.3	75.7	.86	80.8	83.3	„	0.4					
9 „	.742	.818	79.4	78.0	1.4	77.5	.94	80.2	83.2	NW	0.3	0.03				
10 „	.743	.833	80.6	78.0	2.6	77.0	.89	80.9	83.2	W	0.5					
11 „	.737	.827	80.6	78.0	2.6	77.0	.89	80.9	83.2	„	0.5					
Sept 17th-Midnight	.716	.816	80.6	77.6	3·0	76.6	.88	80.8	83.3	W	0.5					
1 a. m.	.706	·833	80.4	77.0	3.4	75.7	.86	80.5	83.3	„	0.2					
2 „	·686	.813	80.4	77.0	3.4	75.7	.86	80.5	83.3	„	0.5					
3 „	.684	.825	80.2	76.6	3.6	75.2	.85	80.3	83.3	„	0.3					
4 „	.684	.838	80.0	76.2	3.8	74.7	.85	80.1	83.2	„	0.1					
5 „	.684	.805	79.8	77.0	2.8	75.9	.88	80.0	83.2	„	0.1					
6 „	·696	.832	79.4	76.5	2.9	75.4	.88	79.8	83.1	WSW	0.1					
7 „	.724	.835	80.4	77.4	3.0	76.3	.88	80.4	83.1	„	0.1					
8 „	·741	.824	82.7	78.7	4.0	77.2	.84	81.7	83.2	„	0.0					
9 „	.747	.790	84.0	80.0	4.0	78.6	.84	82.9	83.3	„	0.1					
10 „	.752	.821	85.2	79.7	5.5	77.7	.79	83.6	83.4	„	0.2					
11 „	.751	.814	85.8	80.0	5.8	77.9	.78	84.0	83.5	SW	0·2	None.	None.	None.	None.	None.
Noon.	.744	.803	87.0	80.4	6.6	78.0	.76	84.6	83.6	WSW	0.3					
1 p. m.	.712	·795	87.6	80.0	7.6	77.2	.72	85.1	83.7	SW b S	0.2					
2 „	.693	.749	88.3	80.8	7.5	78.1	.73	85.6	83.9	WSW	0.2					
3 „	·679	.757	87.2	80.0	7.2	77.4	.74	85.2	83.9	W b S	0.2					
4 „	.677	.790	86.5	79.0	7.5	76.2	.73	84.7	84.0	WSW	0.3					
5 „	.675	.780	84.7	78.7	6.0	76.5	.77	84.0	84.0	W b S	0.2					
6 „	·684	.796	82.6	78.0	4.6	76.2	.82	82.5	83.9	„	0·1					
7 „	.695	.800	82.0	78.0	4.0	76.5	.84	82.0	83.9	„	0.1					
8 „	.711	.809	81.4	78.0	3.4	76.7	.86	81.6	83.7	„	0.1					
9 „	.726	.820	81.0	78.0	3.0	76.8	.88	81.5	83.6	„	0.1					
10 „	.727	.819	80.8	78.0	2.8	76.9	.89	81.0	83.5	„	0.1					
11 „	.714	.801	80.4	78.0	2.4	77.1	.90	80.9	83.5	„	0.0					
Sept 18th-Midnight	.702	.792	80.6	78.0	2.6	77.0	.89	81.0	83.5	W b S	0.2					
1 a. m.	.694	.821	80.4	77.0	3.4	75.7	.86	81.0	83.5	SSW	0.2					
2 „	.674	.788	79.9	77.2	2.7	76.1	.89	80.2	83.4	W	0.3					
3 „	.665	.790	80.2	77.0	3.2	75.8	.87	80.4	83.4	„	0.2					
4 „	.668	.810	80.0	76.5	3.5	75.1	.86	80.2	83.3	WSW	0.2					
5 „	.667	.807	79.8	76.5	3.3	75.2	.86	80.0	83.3	„	0.0	None.	None.	None.	None.	None.
6 „	.690	.824	79.2	76.5	2.7	75.4	.89	79.8	83.2	„	0.0					
7 „	.709	.832	80.0	77.0	3.0	75.8	.88	80.2	83.2	W	0.0					
8 „	.728	.848	80.8	77.3	3.5	75.9	.86	80.9	83.2	W b S	0.0					
9 „	.737	.855	83.2	78.0	5.2	76.0	.80	82.2	83.4	W	0·0					
10 „	.741	.826	84.0	79.0	5.0	77.2	.81	82.6	83.4	WSW	0·1					
11 „	.736	.767	86.8	81.0	5.8	79.0	.78	84.0	83.5	SW b S	0.3					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Nota.—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≥ cirro-cumuli; ≥ cumuli; ≤ cirro-strati; ≥ cumulo-strati; and ≥ nimbi.	
8	R	Overcast with ≥ and ≥, the former moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 83°1 and 84°2. Daily fall of rain by Osler's Gauge 0·04in.
8	B	Overcast with ≥ and ≥, the former moving ESE.	
8	B	" " "	
8	B	Overcast; a few drops of rain at 3h. 34m.	
8	B	Overcast with ≥, moving E.	
8	C	" "	
8	C	" "	
8	C	Overcast with ≥ and ≥, the former moving ESE.	
8	C	" " "	
8	R	Overcast with ≥ and ≥, the former moving E.	
8	R	" " "	
7	R	≥ around hor., moving SE; ≤ and ≥ scattered throughout.	
8	R	≥ scattered throughout, moving E.	
8	B	≥ and ≥ scattered throughout, the former moving E.	
7	B	≥ around hor.; ≥ scattered throughout.	
7	B	" "	
6	B	" "	
7	C	≥ around hor.; ≤ and ≥ scattered throughout.	
7	C	" "	
5	C	≥ scattered about hor.; rain commenced at 7h. 54m	
8	C	Overcast with ≥, moving E; rain ceased at 8h. 57m.	
7	C	≥ scattered throughout, moving ENE.	
5	C	≥ scattered about hor., moving ENE.	
4	C	" "	
3	R	≥ scattered about hor., moving ESE.	Mean daily temperature of ground 20 and 60 inches below its surface 83°2 and 84°2.
2	B	" "	
3	B	Masses of ≥ scattered about, moving E.	
2	B	≥ scattered about hor.	
2	B	" "	
3	C	" "	
3	C	≥ and ≤ scattered about hor.	
4	C	≥ scattered about, moving NE.	
5	C	" "	
5	R	" "	
5	R	≥ scattered about, moving ENE.	
5	R	≥ scattered about, moving NE.	
7	R	≥ and ≥ scattered throughout, the former moving NE.	
6	B	≥ and ≥ scattered throughout, the former moving ENE.	
5	B	" " "	
7	B	≥ and ≥ scattered throughout, the former moving E.	
5	B	" " "	
6	C	" " "	
3	C	≥ and ≤ scattered around hor.	
2	C	" "	
2	C	≥ scattered about hor.	
2	R	" "	
2	R	" "	
4	R	≥ scattered about, moving E.	
4	R	≥ scattered about, moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 83°2 and 84°2. Daily fall of rain by Osler's Gauge 0·09in.
6	B	≥ scattered throughout, moving E; a few drops of rain at 1h. 35m.	
6	B	≥ scattered throughout, moving E.	
3	B	≥ scattered about hor., moving E.	
3	B	" "	
3	C	≥ scattered about hor.; a few drops of rain at 5h. 53m.	
7	C	≥ and ≤ scattered throughout, the former moving E; a few drops of rain at 6h. 16m.	
7	C	≥ and ≤ scattered throughout, the former moving E.	
6	C	" " "	
5	R	≥ scattered about, moving E.	
4	R	≥ and ≤ scattered about hor., the former moving ENE.	
4	R	≥ and ≤ scattered about hor.	

Bombay Civil Time. 1860.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.				
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in seconds between the same degree of tension after discharge.	
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m.	s.
Sept. 18th-Noon.	29.717	28.754	88°2	81°2	7°0	78°8	0.74	85°2	83°7	SSW	0.2						
1 p. m.	.710	.735	85.3	81.0	4.3	79.2	.83	84.2	83.7	SW b S	0.3	0.08					
2 „	.694	.802	84.6	78.6	6.0	76.4	.77	83.6	83.7	SW	0.3						
3 „	.674	.816	84.2	77.7	6.5	75.1	.75	83.5	83.7	„	0.4						
4 „	.674	.781	82.9	78.2	4.7	76.4	.82	82.7	83.7	„	0·2						
5 „	.672	.756	83.2	78.8	4.4	77.2	.83	83.0	83.7	SW b S	0.0		None.	None.	None.	None.	
6 „	.678	.776	81.4	78.0	3.4	76.7	.86	81.7	83.6	SW	0.0						
7 „	.693	.785	80.8	78.0	2.8	76.9	.88	81.1	83.5	WSW	0.0						
8 „	.708	.819	80.8	77.5	3.3	76.3	.86	81.0	83.5	W	0.2						
9 „	.726	.819	80.7	77.7	3.0	76.5	.88	81.0	83.5	WSW	0.0						
10 „	.726	.815	80.5	78.0	2.5	77.0	.90	80.9	83.5	„	0.0						
11 „	.718	.841	80.0	77.0	3.0	75.8	.88	80.4	83.4	W b S	0.4						
Sept 19th-Midnight	.706	.804	80.2	77.7	2.5	76.7	.90	80.5	83.4	W b S	0.2						
1 a. m.	.702	.817	80.0	77.2	2.8	76.1	.88	80.2	83.3	W	0.2						
2 „	.701	.816	80.0	77.2	2.8	76.1	.88	80.2	83.3	„	0·0						
3 „	.698	.814	79.4	77.0	2.9	76.1	.90	80.0	83.2	„	0.1						
4 „	.701	.820	79.6	77.0	2.6	76.0	.89	80.1	83.2	WNW	0.2						
5 „	.709	.841	79.0	76.5	2.5	75.0	.90	79.8	83.1	W	0.0						
6 „	.717	.849	79.0	76.5	2.5	75.0	.90	79.7	83.1	„	0.0						
7 „	.728	.836	80.5	77.5	3.0	76.4	.88	80.6	83.1	„	0.0						
8 „	.742	.839	82.4	78.3	4.1	76.7	.84	81.6	83.2	WSW	0·0						
9 „	.755	.849	83.7	78.7	5.0	76.8	.81	82.5	83.3	„	0.0						
10 „	.758	.829	83.8	79.3	4.5	77.6	.82	82.7	83.4	„	0.1						
11 „	.756	.823	86.2	80.0	6.2	77.8	.77	83.7	83.5	„	0.1						
Noon.	.735	.809	86.3	80.0	6.8	77.5	.75	84.3	83.6	SW b W	0.1						
1 p. m.	.723	.805	87.6	80.0	7.6	77.3	.72	84.9	83.7	WSW	0.2						
2 „	.713	.800	88.0	80.0	8.0	77.1	.71	85.2	83.8	SW	0.2						
3 „	.710	.797	88.0	80.0	8.0	77.1	.71	85.2	83.9	SW b W	0.3						
4 „	.705	.838	86.5	78.5	8.0	75.5	.71	84.8	83.9	SW	0.1						
5 „	.708	.883	84.7	77.0	7.7	73.9	.71	84.0	83.9	WSW	0.1						
6 „	.721	.852	82.6	77.5	5.1	75.5	.80	82.9	83.8	SW	0.1						
7 „	.741	.882	81.6	77.0	4.6	75.2	.82	81.7	83.7	SW b W	0.0						
8 „	.754	.923	80.6	76.0	4.6	74.1	.82	81.0	83.6	SW b S	0.0						
9 „	.765	.890	80.2	77.0	3.2	75.8	.87	80.6	83.5	W b N	0.0						
10 „	.775	.902	79.6	76.8	2.8	75.7	.88	80.3	83.5	WSW	0.0						
11 „	.767	.916	78.8	76.0	2.8	74.9	.88	80.0	83.5	„	0.0						
Sept 20th-Midnight	.759	.908	78.8	76.0	2.8	74.9	.88	80.0	83.4	SW b W	0.0						
1 a. m.	.757	.900	79.0	76.2	2.8	75.1	.88	79.9	83.3	„	0.0						
2 „	.756	.899	79.0	76.2	2.8	75.1	.88	79.9	83.2	SSW	0.0						
3 „	.750	.862	79.0	77.0	2.0	76.2	.92	79.8	83.2	SE b S	0·0						
4 „	.750	.873	78.6	76.6	2.0	75.8	.92	79.7	83.2	SSE	0.0						
5 „	.761	.871	78.8	77.0	1.8	76.3	.92	79.6	83.0	SE b S	0.0						
6 „	.779	.874	78.2	77.2	1.0	76.8	.96	79.4	83.0	SE b E	0.2						
7 „	.799	.877	79.5	77.8	1.7	77.4	.92	80.1	83.0	ESE	0.1						
8 „	.820	.864	80.3	79.0	1.3	78.5	.95	80·4	83.0	E b S	0.1						
9 „	.825	.850	82.4	80.0	2.4	79.2	.90	81.9	83.1	„	0.1						
10 „	.826	.926	83.5	78.5	5.0	76.6	.81	82.5	83.2	„	0.1						
11 „	.808	.862	85.0	80.0	5.0	78.2	.81	83.5	83.4	S b E	0.2		None.	None.	None.	None.	
Noon.	.783	.850	86.2	80.0	6.2	77.8	.77	84.0	83.5	S	0.2						
1 p. m.	.774	.850	87.0	80.0	7.0	77.5	.74	84.5	83.7	„	0.2						
2 „	.757	.871	86.6	79.0	7.6	76.1	.72	84.5	83.7	S b W	0.1						
3 „	.743	.817	86.8	80.0	6.8	77.5	.75	84.7	83.8	S	0.1						
4 „	.743	.854	86.4	79.0	7.4	76.3	.73	84.3	83.8	WSW	0·1						
5 „	.749	.899	84.6	77.6	7.0	74.9	.74	84.0	84.0	SW	0.1						
6 „	.768	.935	82.2	76.5	5.7	74.2	.78	82.5	84.0	SSW	0.1						
7 „	.786	.951	81.3	76.3	5.0	74.3	.80	81.5	83.6	„	0.1						
8 „	.801	.962	80.9	76.3	4.6	74.4	.82	81.2	83.5	„	0.1						
9 „	.804	.934	80.6	77.0	3.6	75.6	.85	81.0	83.4	„	0·0						
10 „	.811	.977	80.2	76.0	4.2	74.3	.82	80.6	83.3	SW b S	0.0						
11 „	.797	.959	80.0	76.0	4.0	74.4	.84	80.4	83.5	SSW	0.0						

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≤ cirro-cumuli; ≤ cumuli; ≤ cirro-strati; ≤ cumulo-strati; and ≤ nimbi.	
4	R	≤ scattered about, moving ENE; a passing shower of rain at 12h. 48m.	
6	B	≤ scattered throughout; light rain from 1h. 28m. to 1h. 35m.	
5	B	≤ around hor.; ≤ and ≤ scattered throughout.	
7	B	Densely clouded with ≤, ≤, and ≤, the latter moving ENE.	
7	B	Densely clouded with ≤ and ≤, the latter moving ENE.	
7	C	" " "	
7	C	≤ around hor.; ≤ scattered throughout.	
5	C	≤ scattered about, moving E.	
4	C	" "	
4	R	" "	
4	R	" "	
3	R	≤ scattered about, moving NE.	
3	R	≤ scattered about hor., moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 83°2 and 84°2.
3	B	" "	
2	B	" "	
3	B	" "	
3	B	" "	
3	C	" "	
5	C	" "	
5	C	" "	
4	C	" "	
5	R	≤ scattered about, moving E; a few drops of rain at 9h. 5m. and 9h. 37m.	
4	R	≤ scattered about hor., moving E.	
4	R	≤ scattered about hor.; a few drops of rain at 11h. 48m.	
4	R	≤ scattered about, moving NE.	
2	B	A few ≤ in W; ≤ scattered about hor.'	
3	B	≤ in N hor.; ≤ in W, above hor.; ≤ scattered about hor.	
5	B	≤ in NNE hor.; ≤ and ≤ scattered about, moving NNE.	
5	B	≤ from NW to E hor.; ≤ in the remainder of hor.; ≤ scattered about.	
4	C	≤ and ≤ scattered about hor.	
3	C	" "	
2	C	" "	
7	C	≤ scattered throughout, moving E; light rain from 8h. 1m. to 8h. 9m.	
2	R	≤ scattered around hor.	
2	R	" "	
2	R	" "	
0	R	A few masses of ≤ scattered around hor.	Mean daily temperature of ground 20 and 60 inches below its surface 83°2 and 84°2.
0	B	Clear, except in hor.	
0	B	A few masses of ≤ above E hor.	
3	C	≤ scattered around hor. and in E; dew falling.	
2	C	≤ scattered about hor., moving E.	
4	R	≤ scattered about, moving E.	
4	R	" "	
6	B	≤ scattered about, moving NE.	
5	B	≤ scattered about; a few drops of rain at 8h. 26m.	
5	C	≤ scattered about, moving NE.	
5	C	" "	
5	R	A few ≤ above E hor.; ≤ scattered about, moving NE.	
4	R	≤ and ≤ scattered about hor., the former moving E.	
4	B	Clouded as at noon; a few drops of rain at 1h. 50m..	
5	B	≤ and ≤ scattered about, the former ENE.	
5	C	Clouded as at 2h. P. M., but the motion of ≤ was ESE.	
4	C	≤ scattered about, moving ESE.	
4	R	≤ scattered about hor., moving SE.	
4	R	≤ around hor.; ≤ scattered about.	
4	B	≤ scattered about, moving ENE.	
3	B	≤ scattered about, moving NE.	
4	C	≤ scattered about hor., moving NE.	
3	C	" "	
2	R	" "	

Bombay Civil Time. 1860.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Sept. 21st-Midnight	29.781	28.841	79°8	76°0	3°8	74°5	0.85	80°4	83°5	SSW	0.0					
1 a. m.	.781	.957	79·5	75.5	4.0	73.9	.84	80.1	83.3	SW b S	0.1					
2 „	.781	.946	79·2	75.7	3.5	74.3	.86	79.9	83.3	SSW	0.2	0.01				
3 „	.780	.931	79.0	76.0	3.0	74.8	.88	79.6	83.2	SW b S	0.0					
4 „	.781	.963	78.2	75.0	3.2	73.7	.87	79.2	83.1	SSW	0.1					
5 „	.793	.942	78.8	76.0	2.8	74.9	.88	79.3	83.1	S	0.1					
6 „	.813	.962	78.8	76.0	2.8	74.9	.88	79.3	83.0	SW	0.1					
7 „	.833	.979	79.6	76.3	3.3	75.0	.86	80.0	83.0	SSW	0.0					
8 „	.842	.963	81.7	77.5	4.2	75.9	.83	81.0	83.1	W b S	0.0					
9 „	.846	29.013	82.2	76.5	5.7	74.2	.78	81.9	83.2	SSE	0.0					
10 „	.844	28.967	83.6	78.0	5.6	75.8	.78	82.5	83.3	„	0.3					
11 „	.838	.934	85.0	79.0	6.0	76.8	.77	83.4	83.5	S b E	0.3					
Noon.	.823	.873	86.2	80.4	5.8	78.3	.78	84.0	83.5	„	0.4					
1 p. m.	.817	.920	87.6	79.5	8.1	76.5	.71	85.0	83.7	SW	0.1		None.	None.	None.	None.
2 „	.802	.905	87.6	79.5	8.1	76.5	.71	85.0	83.8	WSW	0.1					
3 „	.797	.908	86.4	79.0	7.4	76.3	.73	84.3	83.8	W b N	0.1					
4 „	.798	.922	85.7	78.5	7.2	75.8	.73	84.0	83.8	W	0.1					
5 „	.805	.959	83.6	77.2	6.4	74.7	.76	83.0	83.8	W b S	0.1					
6 „	.819	.998	80.8	75.8	5.0	73.8	.80	81.1	83.7	WSW	0.0					
7 „	.831	29.032	80.0	75.0	5.0	73.0	.80	80.5	83.5	SW b W	0.0					
8 „	.847	.005	79.6	76.0	3.6	74.6	.86	80.0	83.4	WSW	0.0					
9 „	.847	.002	79.4	76.0	3.4	74.7	.86	80.0	83.4	„	0.0					
10 „	.844	28.999	79.4	76.0	3.4	74.7	.86	80.0	83.3	SSW	0.0					
11 „	.834	29.005	79.0	75.5	3.5	74.1	.86	79.7	83.3	S b W	0.0					
Sept 22nd-Midnight	.821	28.981	78.8	75.7	3.1	74.5	.87	79.6	83.2	S b W	0.0					
1 a. m.	.811	.962	79.0	76.0	3.0	74.8	.88	79.5	83.1	„	0.0					
2 „	.794	.912	79.5	77.0	2.5	76.0	.90	80.0	83.1	SSE	0.0					
3 „	.793	.925	79.0	76.5	2.5	75.5	.90	79.7	83.0	„	0.0					
4 „	.793	.970	78.6	75.2	3.4	73.8	.86	79.4	83.0	SW b S	0.0					
5 „	.803	.994	77·7	74.6	3.1	73.3	.87	78.7	82.9	SE b S	0.1					
6 „	.816	.988	77.4	75.0	2.4	74.0	.90	78.2	82.9	SE	0.1					
7 „	.831	.981	79.1	76.1	3.0	74.9	.88	79.4	82.8	„	0.1					
8 „	.848	29.001	80.6	76.4	4.2	74.7	.83	80.3	82.9	„	0.2					
9 „	.856	28.984	81.9	77.4	4.5	75.6	.82	81.0	83.0	SE b S	0.3					
10 „	.859	.942	83.8	79.0	4.8	77.2	.81	82.5	83.1	SSE	0·4					
11 „	.849	.939	85.2	79.2	6.0	77.0	.77	83.3	83.2	S b E	0.3					
Noon.	.832	.924	86.6	79.5	7.1	76.9	.74	84.0	83.4	SW b S	0.4					
1 p. m.	.821	.969	87.9	78.5	9.4	74.9	.67	84.7	83.6	WSW	0.3		None.	None.	None.	None.
2 „	.796	.925	88.0	79.0	9.0	75.6	.68	85.0	83.6	„	0.2					
3 „	.785	.933	87.9	78.5	9.4	74.9	.67	85.0	83.7	W	0.2					
4 „	.780	.940	87.0	78.0	9.0	74.5	.67	84.5	83.7	„	0.1					
5 „	.788	.963	84.7	77.0	7.7	73.9	.71	83.5	83.7	„	0.1					
6 „	.794	.939	82.0	77.0	5.0	75.0	.80	82.0	83.5	„	0.1					
7 „	.810	.985	81.2	76.0	5.2	73.9	.79	81.5	83.5	„	0.1					
8 „	.831	.904	81.0	76.0	5.0	74.0	.80	81.0	83.5	„	0.1					
9 „	.836	29.014	80.4	75.7	4.7	73.8	.81	80.8	83.5	„	0.1					
10 „	.839	.001	80.0	76.0	4.0	74.4	.84	80.5	83.4	W b S	0·0					
11 „	.831	28.989	79.6	76.0	3.6	74.6	.85	80.4	83.3	„	0.0					
Sept 24th-Midnight	.820	29.004	79.2	75.2	4.0	73.8	.84	79.8	83.0	WSW	0.0					
1 a. m.	.814	.000	78.6	75.0	3.6	73.5	.85	79.2	83.0	„	0.0					
2 „	.801	28.980	78.0	75.0	3.0	73.8	.87	79.0	82.9	„	0.0					
3 „	.792	.965	78.2	75.2	3.0	74.0	.87	79.1	82.9	SSW	0.0					
4 „	.793	.933	78.0	76.0	2.0	75.2	.92	78.5	82.7	S	0.1					
5 „	.799	.937	77.8	76.0	1.8	75.3	.92	78.5	82.6	ESE	0.2					
6 „	.818	.956	77.8	76.0	1.8	75.3	.92	78.7	82.5	E b S	0.3					
7 „	.830	.981	79.0	76.0	3.0	74.8	.87	79.5	82.6	E	0.4					
8 „	.855	.961	81.0	77.7	3.3	76.4	.86	80.6	82.7	„	0.5					
9 „	.862	.973	82.5	78.0	4.5	76.3	.82	81.5	82.8	E b N	0.3					
10 „	.859	.978	84.0	78.2	5.8	76.0	.78	82.5	83.0	„	0.3					
11 „	.849	.987	85.0	78.0	7.0	76.0	.74	83.0	83.0	„	0.1					

A few drops of rain.

None.

None.

None.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌒ cirro-strati; ∩⌒ cumulo-strati; and ≀⌒ nimbi.	
4	R	≀≀ scattered about hor., moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 83°5 and 84°3. Daily fall of rain by Osler's Gauge 0·01in.
2	B	≀≀ scattered about hor., moving NE; light rain from 1h. 30m. to 1h. 32m.	
2	B	≀≀ scattered about hor.	
3	B	" "	
1	B	" "	
7	C	≀≀ scattered throughout, moving ENE.	
4	C	≀≀ scattered about hor., moving ENE.	
4	C	" "	
3	C	" "	
5	R	≀ and ≀≀ scattered about, the latter moving ENE.	
4	R	≀≀ around hor., moving NE; ≀ scattered throughout.	
5	R	≀≀ around hor.; ≀ scattered about.	
4	R	≀ and ≀≀ scattered about hor., the latter moving NE.	
5	B	≀≀ scattered about, moving NE.	
6	B	" "	
3	B	≀≀ scattered about hor.	
3	B	Masses of ≀≀ scattered about, moving E.	
4	C	" " "	
5	C	≀≀ around hor.; ≀≀ scattered about.	
3	C	A few pieces of ≀≀ in SE; ≀≀ scattered about hor.	
1	C	A few masses of ≀≀ above E and W hor.	
0	R	Clear, except in hor.	
1	R	A few ≀ above W hor.	
1	R	" "	
2	R	≀≀ scattered along E hor.; a few ≀ above W hor.	Mean daily temperature of ground 20 and 60 inches below its surface 83°5 and 84°3. Temperature of Evaporation at 5 A. M. was 74°6, lowest in the month, and 2°8 lower than the Normal Mean.
2	B	≀≀ scattered along E hor.	
4	B	≀≀ scattered about, moving NE.	
4	B	" "	
3	B	≀≀ scattered about hor., moving ENE.	
7	C	≀≀ around hor.; ≀≀ scattered throughout.	
7	C	" "	
4	C	" "	
4	C	" "	
4	R	≀≀ around hor., moving NE; ≀ scattered throughout.	
5	R	≀, ≀≀ and ≀≀ scattered throughout, the latter moving NE; a few drops of rain at 10h. 58m.	
5	R	≀≀ scattered about, moving NE; drops of rain between 11h. 24m. and 11h. 26m.	
4	R	≀≀ scattered about, moving NE.	
3	B	≀≀ scattered about hor., moving NE.	
3	B	≀≀ scattered about hor., moving E.	
3	B	" "	
3	B	" "	
5	B	≀≀ scattered about, moving E; a few drops of rain between 5h. 30m. & 5h. 33m.	
5	B	Clouded as before, but no rain.	
3	R	≀≀ scattered about hor., moving E.	
5	R	" "	
4	R	" "	
4	R	" "	
4	R	" "	
5	R	≀≀ scattered about, moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 83°3 and 84°2.
2	B	≀≀ scattered about hor.	
3	B	" "	
3	B	" "	
3	B	" "	
2	C	" "	
3	C	≀≀ around hor.; ≀ scattered here and there.	
3	C	≀≀ scattered about hor.	
2	C	" "	
4	R	" "	
3	R	" "	
4	R	≀≀ around hor.; ≀ scattered here and there.	

Bombay Civil Time. 1860.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet-Bulb Thermometer.	Thermometers. Depression of Wet-Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Sept. 24th–Noon.	29.820	28.969	86°0	78°0	8°0	74°9	0.70	83°5	83°2	E b N	0.0					
1 p. m.	.802	.920	87.0	79.0	8.0	76.0	.71	84.0	83.3	SW	0.1					
2 „	.778	.936	87.6	78.2	9.4	74.6	.67	84.5	83.4	SW b W	0.1					
3 „	.763	.911	87.9	78.5	9.4	74.9	.67	84.8	83.5	WSW	0.1					
4 „	.757	.923	87.5	78.0	9.5	74.3	.66	84.5	83.5	„	0.1					
5 „	.751	.915	85.2	77.4	7.8	74.3	.71	83.9	83.5	W	0.1					
6 „	.770	.917	82.2	77.0	5.2	75.0	.80	82.2	83.4	„	0.1	None.	None.	None.	None.	None.
7 „	.789	.964	81.2	76.0	5.2	73.9	.79	81.4	83.4	W b S	0.0					
8 „	.812	.976	80.2	76.0	4.2	74.3	.83	80.7	83.4	W	0.0					
9 „	.825	.990	79.2	75.7	3.5	74.3	.86	80.0	83.2	„	0.0					
10 „	.826	.988	78.6	75.6	3.0	74.4	.88	79.6	83.1	„	0.0					
11 „	.821	.967	78.5	76.0	2.5	75.0	.90	80.0	83.0	„	0.0					
Sept 25th-Midnight	.811	.973	78.6	75.6	3.0	74.4	.88	79.4	83.0	W	0.0					
1 a. m.	.801	.971	77.9	75.2	2.7	74.1	.89	78.9	83.0	„	0.0					
2 „	.787	.956	78.0	75.0	3.0	73.8	.87	79.0	82.9	N b E	0.0					
3 „	.787	.925	78.6	76.2	2.4	75.3	.90	79.3	82.7	NNE	0.0					
4 „	.784	.917	78.4	76.3	2.1	75.5	.91	79.4	82.7	„	0.0					
5 „	.797	.933	77.6	76.0	1.6	75.4	.93	78.8	82.6	NE b N	0.0					
6 „	.811	.947	77.6	76.0	1.6	75.4	.93	78.7	82.6	„	0.0					
7 „	.825	.906	79.8	78.0	1.8	77.3	.92	80.2	82.7	„	0.0					
8 „	.849	.888	81.3	79.4	1.9	78.7	.92	81.0	82.8	„	0.0					
9 „	.847	.931	82.0	78.5	3.5	77.2	.86	81.7	83.0	„	0.1					
10 „	.846	.928	83.7	79.0	4.7	77.3	.82	82.5	83.0	„	0.2					
11 „	.827	.910	83.8	79.0	4.8	77.2	.81	82.7	83.1	„	0.1					
Noon.	.807	.952	85.6	78.0	7.6	75.0	.72	83.3	83.2	WNW	0.3	None.	None.	None.	None.	None.
1 p. m.	.792	.964	86.3	77.5	8.8	74.0	.68	83.9	83.3	„	0.1					
2 „	.768	.920	87.0	78.2	8.8	74.9	.68	84.2	83.4	„	0.1					
3 „	.748	.922	86.8	77.6	9.2	74.0	.67	84.2	83.5	„	0.2					
4 „	.743	.912	86.0	77.5	8.5	74.1	.69	84.0	83.5	NW b W	0.2					
5 „	.743	.914	84.4	77.0	7.4	74.1	.72	83.0	83.4	„	0.3					
6 „	.758	.925	82.6	76.6	6.0	74.2	.77	82.2	83.4	„	0.2					
7 „	.784	.949	82.0	76.5	5.5	74.3	.78	81.9	83.3	„	0.0					
8 „	.800	.980	81.6	76.0	5.6	73.7	.78	81.4	83.3	„	0.0					
9 „	.809	.971	81.4	76.4	5.0	74.4	.80	81.4	83.3	NW	0.0					
10 „	.797	.967	81.1	76.1	5.0	74.1	.80	81.0	83.3	„	0.0					
11 „	.789	.951	80.0	76.0	4.0	74.4	.84	80.5	83.2	N	0.0					
Sept 26th-Midnight	.767	.923	79.4	76.0	3.4	74.7	.86	80.0	83.1	N	0.0					
1 a. m.	.760	.911	79.0	76.0	3.0	74.8	.88	79.6	83.1	„	0.0					
2 „	.755	.889	79.6	76.6	3.0	75.4	.88	80.0	83.1	„	0.0					
3 „	.750	.884	79.6	76.6	3.0	75.4	.88	80.1	83.0	„	0.0					
4 „	.752	.882	79.6	76.7	2.9	75.6	.88	80.1	82.9	„	0.0					
5 „	.756	.893	79.1	76.4	2.7	75.3	.89	79.8	82.8	„	0.0					
6 „	.772	.917	79.2	76.2	3.0	75.0	.88	80.0	82.8	„	0.0					
7 „	.780	.933	79.2	76.0	3.2	74.7	.87	80.0	82.8	N b E	0.0					
8 „	.804	.902	80.6	77.8	2.8	76.7	.88	80.5	82.9	„	0.0					
9 „	.807	.974	82.4	79.0	3.4	77.8	.86	81.7	83.0	NNE	0.0					
10 „	.800	.895	84.2	78.8	5.4	76.8	.79	83.0	83.1	N	0.3					
11 „	.775	.881	84.0	78.5	5.5	76.4	.79	83.0	83.2	NNW	0.3					
Noon.	.744	.849	85.8	79.0	6.8	76.5	.75	84.0	83.4	NW	0.4	None.	None.	None.	None.	None.
1 p. m.	.717	.816	87.2	79.5	7.7	76.7	.72	84.7	83.5	„	0.2					
2 „	.691	.790	87.2	79.5	7.7	76.7	.72	84.7	83.5	„	0.5					
3 „	.674	.781	86.0	79.0	7.0	76.3	.74	84.6	83.5	„	0.7					
4 „	.678	.786	84.6	78.6	6.0	76.4	.77	83.5	83.5	„	0.7					
5 „	.691	.796	83.1	78.3	4.8	76.5	.81	83.0	83.5	„	0.5					
6 „	.720	.828	82.3	78.0	4.3	76.4	.83	82.1	83.4	„	0.6					
7 „	.744	.852	80.8	77.6	3.2	76.4	.87	81.0	83.4	NNE	0.3					
8 „	.773	.882	78.7	77.0	1.7	76.3	.93	80.0	83.3	N b W	0.1	0.01				
9 „	.772	.902	77.8	76.2	1.6	75.6	.93	79.0	83.1	N	0.0	0.04				
10 „	.748	.886	77.8	76.0	1.8	75.3	.92	79.0	83.0	N b E	0.0	0.04				
11 „	.732	.865	77.4	76.0	1.4	75.5	.94	78.7	83.0	„	0.0					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌇ cirri; ⌇ cirro-cumuli; ⌒ cumuli; ⌣ cirro-strati; ⌒ cumulo-strati; and ⌇ nimbi.	
4	R	⌇ scattered about hor.	
2	B	" "	
2	B	" "	
1	B	⌇ scattered along E hor.	
1	B	" "	
1	C	" "	
2	C	⌇ scattered about hor.; a few light ⌇ in W.	
2	C	⌇ scattered around hor., moving E.	
0	C	A few masses of ⌇ in E hor.	
0	R	" "	
0	R	" "	
4	R	⌇ and ⌇ scattered about, the former moving E.	
5	R	⌇ and ⌇ scattered about, the former moving ENE.	Mean daily temperature of ground 20 and 60 inches below its surface 83°2 and 84°1.
4	B	⌇ around hor.; ⌇ scattered about.	
3	B	" "	
3	B	⌇ scattered about hor.	
1	B	⌇ scattered about hor.; dew falling lightly.	
1	C	" "	
1	C	⌇ around hor.; ⌇ scattered a little above hor.; dew falling lightly.	
2	C	Masses of ⌇ scattered about, moving ESE.	
2	C	Masses of ⌇ scattered about, moving SSE.	
3	R	" " "	
4	R	" " "	
4	R	⌇ and ⌇ along E hor.; ⌇ scattered about, moving SSE.	
4	R	⌇ and ⌇ scattered about, the former moving E.	
2	B	⌇ and ⌇ scattered about hor.	
1	B	⌇ and ⌇ scattered around hor.	
1	B	" "	
1	B	" "	
4	C	⌇ scattered about.	
5	C	" "	
6	C	" "	
5	C	" "	
3	R	" "	
4	R	" "	
8	R	Overcast with ⌇ and ⌇.	
5	R	⌇ and ⌇ scattered about.	Mean daily temperature of ground 20 and 60 inches below its surface 83°1 and 84°1. Daily fall of rain by Osler's Gauge 0·13in.
4	B	" "	
7	B	" "	
4	B	" "	
7	B	Densely clouded with ⌇ and ⌇.	
7	C	" "	
7	C	" "	
8	C	Overcast with ⌇ and ⌇.	
8	C	" "	
8	R	Overcast with ⌇, moving E.	
8	R	Overcast with ⌇, moving ESE.	
8	R	" "	
8	R	" "	
6	B	⌒ in hor.; ⌇ and ⌇ scattered about.	
6	B	⌒ in hor.; ⌇, ⌇, and ⌇ scattered about.	
7	B	⌒ along E hor.; ⌇ and ⌇ scattered throughout, the former moving SE.	
8	B	⌒ in hor.; ⌇ and ⌇ scattered throughout, the former moving SE.	
8	C	" " " [from 6h. 48m. to 6h. 58m.	
8	C	Overcast with ⌇ and ⌇, the former moving SSE; lightning in E after 6h. 35m. at intervals of 7m.; drizzling rain	
8	C	Overcast with ⌇ and ⌇, the former moving S; lightning in E every five minutes; drops of rain after 7h. 2m.	
8	C	Overcast; drizzling rain after 8h. 20m.	
8	R	Overcast; raining very lightly.	
8	R	Overcast with ⌇, moving E; rain ceased at 10h. 25m.	
8	R	Overcast with ⌇ and ⌇, the former moving SSE.	

Bombay Civil Time. 1860.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet-Bulb Thermometer.	Depression of Wet-Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Sept 27th-Midnight	29.724	28.836	77°6	76°6	1°0	76°2	0.96	78°7	83°0	N b E	0.0					
1 a. m.	.709	.824	77.4	76.2	1.2	75.8	.95	78.6	83.0	NNE	0.0					
2 „	.692	.802	77.8	76.7	1.1	76.3	.95	78.8	82.9	„	0.0					
3 „	.691	.826	77.5	76.0	1.5	75.4	.94	78.8	82.8	„	0.0					
4 „	.693	.794	78.0	77.0	1.0	76.6	.96	79.0	82.6	„	0.0					
5 „	.695	.796	78.0	77.0	1.0	76.6	.96	79.0	82.6	„	0.0					
6 „	.713	.810	77.6	77.0	0.6	76.7	.97	78.6	82.5	NE b N	0.0					
7 „	.729	.833	79.0	77.2	1.8	76.5	.92	79.6	82.6	„	0.0					
8 „	.749	.843	81.0	78.0	3.0	76.8	.88	80.8	82.7	„	0.0					
9 „	.747	.807	82.5	79.2	3.3	78.0	.87	81.6	82.9	„	0.0					
10 „	.739	.781	83.9	80.0	3.9	78.6	.85	82.5	83.0	„	0.2					
11 „	.720	.765	84.2	80.0	4.2	78.5	.84	83.0	83.1	NW	0.1					
Noon.	.696	.746	84.6	80.0	4.6	78.3	.82	83.2	83.3	„	0.4					
1 p. m.	.673	.732	86.2	80.2	6.0	78.0	.77	84.0	83.4	„	0.3					
2 „	.636	.666	86.7	81.0	5.7	79.0	.78	84.3	83.4	WNW	0.3					
3 „	.623	.697	86.8	80.0	6.8	77.5	.75	84.5	83.5	„	0.5					
4 „	.617	.693	87.0	80.0	7.0	77.5	.74	84.7	83.6	NW b W	0.4					
5 „	.630	.650	85.8	81.0	4.8	79.3	.82	83.8	83.6	„	0.3					
6 „	.668	.749	83.6	79.0	4.6	77.3	.82	82.7	83.5	WNW	0.1					
7 „	.692	.850	82.4	76.8	5.6	74.6	.78	82.2	83.4	NW	0.4					
8 „	.702	.838	77.6	76.0	1.6	75.4	.93	79.0	83.2	SW	0.0	0.74	+	20	17	0.04
9 „	.722	.859	78.1	76.1	2.0	75.4	.92	79.2	83.2	SSW	0.0					
10 „	.714	.854	78.0	76.1	1.9	75.2	.92	79.6	83.0	„	0.0					
11 „	.702	.788	78.5	77.5	1.0	77.1	.96	79.5	83.0	S b W	0.0					
Sept 28th-Midnight	.686	.778	79.0	77.5	1.5	76.9	.94	79.9	83.0	SSE	0.0					
1 a. m.	.678	.787	79.1	77.0	2.1	76.3	.91	80.0	83.0	„	0.0					
2 „	.660	.769	79.1	77.0	2.1	76.3	.91	80.0	83.0	„	0.0					
3 „	.649	.743	79.2	77.5	1.7	76.8	.93	80.0	83.0	„	0.1					
4 „	.649	.723	79.2	78.0	1.2	77.5	.95	80.0	83.0	„	0.0					
5 „	.657	.729	79.0	78.0	1.0	77.6	.96	80.0	82.9	„	0.1					
6 „	.674	.750	79.0	77.6	1.4	77.5	.94	79.8	82.8	„	0.2					
7 „	.694	.765	80.4	78.4	2.0	77.6	.92	80.8	82.9	„	0.1					
8 „	.713	.736	82.2	80.0	2.2	79.3	.91	81.7	83.0	„	0.1					
9 „	.733	.765	83.7	80.2	3.5	78.9	.86	82.9	83.2	„	0.2					
10 „	.734	.758	84.2	80.5	3.7	79.2	.85	83.0	83.4	„	0.1					
11 „	.720	.742	86.0	81.0	5.0	79.3	.81	84.3	83.5	S b E	0.1					
Noon.	.686	.657	87.4	82.5	4.9	80.9	.82	85.3	83.7	„	0.2					
1 p. m.	.665	.645	88.6	82.6	6.0	80.6	.78	85.6	83.8	W b S	0.1					
2 „	.631	.668	88.2	81.2	7.0	78.8	.74	85.5	83.9	W	0.1					
3 „	.619	.663	88.0	81.0	7.0	78.5	.74	85.5	84.0	„	0.1					
4 „	.621	.684	85.8	80.0	5.8	77.9	.78	84.7	84.0	„	0.1					
5 „	.642	.688	84.3	80.0	4.3	78.5	.83	83.8	84.0	W b S	0.1					
6 „	.670	.735	83.3	79.3	4.0	77.8	.84	83.1	83.9	W	0.1					
7 „	.686	.718	83.0	80.0	3.0	78.9	.88	83.0	83.9	„	0.1					
8 „	.692	.747	82.8	79.4	3.4	78.2	.86	83.0	83.9	WSW	0.0					
9 „	.696	.744	82.6	79.5	3.1	78.4	.88	82.7	84.0	„	0.0		+	20	20	0.30
10 „	.710	.855	82.0	77.0	5.0	75.0	.80	82.1	84.0	NNW	0.0					
11 „	.692	.775	80.0	78.0	2.0	77.2	.92	81.0	83.7	ENE	0.0					
Sept 29th-Midnight	.684	.767	80.0	78.0	2.0	77.2	.92	81.0	83.7	ENE	0.0		+	3		Above 10m.
1 a. m.	.676	.758	79.9	78.0	1.9	77.2	.92	80.8	83.7	„	0.0					
2 „	.655	.713	79.7	77.8	1.9	77.1	.92	80.6	83.7	„	0.1					
3 „	.645	.751	79.2	77.2	2.0	76.4	.92	80.2	83.5	„	0.1					
4 „	.648	.760	79.0	77.0	2.0	76.2	.92	80.1	83.5	„	0.0					
5 „	.664	.738	79.2	78.0	1.2	77.5	.95	80.0	83.5	„	0.3					
6 „	.683	.741	79.7	78.5	1.2	78.1	.95	80.4	83.5	„	0.2					
7 „	.706	.784	79.5	78.0	1.5	77.4	.94	80.2	83.4	SSE	0.4					
8 „	.727	.807	79.7	78.0	1.7	77.3	.93	80.2	83.4	„	0.4					
9 „	.744	.827	80.0	78.0	2.0	77.2	.92	80.7	83.5	„	0.4					
10 „	.755	.823	80.6	78.5	2.1	77.7	.91	80.9	83.4	„	0.7		+	2		Above 10m.
11 „	.740	.836	81.2	78.0	3.2	76.8	.87	81.3	83.5	S b E	0.8					

Drops of rain. A few drops of rain. None.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌇i cirri; ⌇⌇i cirro-cumuli; ⌒i cumuli; ⌣i cirro-strati; ⌒⌣i cumulo-strati; and ⌇⌣i nimbi.	
8	R	Overcast with ⌇⌣i and ⌇⌇i, the former moving ESE.	Mean daily temperature of ground 20 and 60 inches below its surface 83°1 and 84°0. Daily fall of rain by Osler's Gauge 0·70in.; maximum tension of Electricity by Henly's Apparatus 8; maximum length of the spark by Ronald's Measure 0·09in.
8	B	Overcast with ⌇⌣i and ⌇⌇i, the former moving WSW.	
8	B	Overcast.	
8	B	Overcast; a few drops of rain at 3h. 46m.	
7	B	Densely clouded with ⌇⌣i and ⌇⌇i, the former moving W.	
5	C	⌇⌣i and ⌇⌇i scattered about.	
5	C	⌇⌣i around hor.; ⌇i and ⌇⌇i scattered about.	
4	C	⌇⌣i around hor., moving SE; ⌇i and ⌇⌇i scattered about.	
4	C	" " "	
5	R	" " "	
7	R	Densely clouded with ⌇⌣i, ⌇⌇i, and ⌇i, the former moving SSE.	
7	R	Densely clouded as before, but the motion of ⌇⌣i was S.	
6	R	⌇⌣i and ⌇⌇i scattered about, the former moving SW.	
3	B	⌇⌣i and ⌇⌇i scattered about hor.	
4	B	⌇⌣i and ⌇⌇i around hor.; ⌇i scattered about.	
4	B	⌒i along E hor.; ⌇i and ⌇⌇i scattered throughout.	
5	B	⌒i along E hor.; ⌇i scattered throughout.	
7	C	⌒i along E hor.; ⌇⌣i and ⌇i scattered throughout, the former moving ESE.	
8	C	Overcast with ⌇⌣i, ⌇⌇i, and ⌇i; lightning in NE after 6h. 12m., and continuous thunder in E after 6h. 37m.	
8	C	Overcast; continuous lightning and thunder in E hem.; heavy rain between 7h. 8m. to 7h. 47m.	
8	C	Overcast; lightning and thunder in SW.	
8	R	Overcast with ⌇⌣i, moving SSE.	
8	R	Overcast with ⌇⌣i and ⌇⌇i, moving S.	
8	R	Overcast with ⌇⌣i, moving SSE.	
8	R	Overcast with ⌇⌣i and ⌇⌇i, the former moving S.	Mean daily temperature of ground 20 and 60 inches below its surface 83°2 and 84°1. Maximum length of the spark by Ronald's measure 0·09 in.; at 1 P. M. the Temperature of Evaporation was 82°6, greatest during the month, and about 2·8 greater than the Normal Mean.
8	B	Overcast with ⌇⌣i and ⌇⌇i, the former moving SSE.	
7	B	⌇⌣i around hor.; ⌇i and ⌇⌇i scattered throughout.	
8	B	Overcast with ⌇⌣i, ⌇⌇i, and ⌇i, the former moving SSE.	
7	B	Densely clouded with ⌇⌣i, ⌇⌇i, and ⌇i, the former moving SSE.	
5	C	⌇⌣i and ⌇⌇i around hor.; ⌇i scattered throughout.	
6	C	⌇i and ⌇⌣i scattered about, the latter moving SE.	
4	C	⌇⌣i around hor.; ⌇i and ⌇⌇i scattered throughout.	
3	C	" " "	
8	R	" " "	
4	R	⌇⌣i around hor; ⌇i scattered here and there.	
4	R	" "	
4	R	⌇⌣i and ⌇⌇i scattered about hor.	
4	B	⌇⌣i and ⌇⌇i scattered about hor., moving E.	
4	B	" "	
5	B	⌒i along E hor.; ⌇⌣i and ⌇⌇i scattered about hor., moving E.	
7	B	⌒i along E hor.; ⌇⌣i and ⌇⌇i scattered throughout, moving E.	
8	C	Overcast with ⌇⌣i, moving E.	
8	C	Overcast; lightning in E hor., after 6h. 17m.; thunder after 6h. 20m.	
8	C	Overcast; lightning and thunder in E hem. at intervals of about 10s.	
8	C	Overcast; lightning and thunder in S every minute.	
8	R	Overcast; lightning in SE at intervals of 20 seconds; a few drops of rain at 9h. 5m.	
8	R	Overcast; no rain or lightning.	
8	R	Overcast with ⌇⌣i and ⌇⌇i, the former moving SW.	
8	R	Overcast with ⌇⌣i, moving E; lightning in SSE at intervals of 2m.	Mean daily temperature of ground 20 and 60 inches below its surface 83°3 and 84°2.
8	B	Overcast; lightning in SW and SSE at intervals of 4m.	
8	B	Overcast; lightning in SSE and SW at intervals of 5½m.; occasional thunder in S W after 2h. 37m.	
8	B	Overcast; lightning as before, but at intervals of 3½m.; occasional thunder in SW at 3h. 26m.	
8	B	Overcast; lightning as before, but at intervals of 1½m.; occasional thunder in SW.	
8	C	Overcast; lightning in SW and W at intervals of 4m.; occasional thunder in SW.	
7	C	Densely clouded with ⌇⌣i and ⌇i, the former moving NE.	
8	C	Overcast with ⌇⌣i, moving NE.	
8	C	Overcast with ⌇⌣i, moving ENE.	
8	R	" "	
8	R	Overcast with ⌇⌣i, moving N.	
8	R	Overcast with ⌇⌣i and ⌇i, the former moving N.	

Bombay Civil Time. 1860.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straw of Volta 1.	Electrical Instruments. Readings of Straw of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Sept. 29th–Noon.	29.717	28.790	81°0	78°5	2°5	77°6	0.90	81°1	83°5	S	0.5					
1 p. m.	.703	.749	82.4	79.5	2.9	78.5	.88	81.8	83.5	SSE	0.5					
2 „	.681	.741	82.5	79.2	3.3	78.0	.87	82.1	83.5	S	0·7					
3 „	.677	·747	82.6	79.0	3.6	77.7	.86	82.1	83.5	„	0.5					
4 „	.677	.741	83.0	79.0	4.0	77.5	.84	82.3	83.5	S b W	0.1					
5 „	.675	.756	81.8	78.5	3.3	77.3	.87	81.9	83.5	„	0.1					
6 „	.695	.789	81.0	78.0	3.0	76.8	.88	81.3	83.4	S	0.1					
7 „	.714	.820	80.6	77.6	3.0	76.4	.88	81.0	83.3	„	0.1					
8 „	.732	.828	80.4	77.8	2.6	76.8	.89	80.9	83.2	„	0.1					
9 „	.744	.869	80.2	77.0	3.2	75.8	.87	80.5	83.2	„	0.0					
10 „	.745	.870	80.2	77.0	3.2	75.8	.87	80.5	83.2	„	0.0					
11 „	.725	.808	80.0	78.0	2.0	77.2	.92	80.2	83.2	S b E	0.0					
Oct. 1st-Midnight	.764	.849	80.8	78.4	2.4	77.5	.90	81.0	83.7	SW	0.0					
1 a. m.	·767	.819	81.0	79.0	2.0	78.3	.92	81.0	83.6	„	0.0					
2 „	.756	.810	81.2	79.0	2.2	78.2	·91	81.3	83.6	S	0.0					
3 „	.746	.796	80.8	79.0	1.8	78.3	.93	81.0	83.5	S b E	0.2					
4 „	.747	.792	80.4	79.0	1.4	78.5	.94	80.9	83.5	SSE	0.0					
5 „	.771	.816	80.4	79.0	1.4	78.5	·94	80.8	83.5	„	0.0					
6 „	.799	.844	80.4	79.0	1.4	78.5	.94	80.6	83.5	„	0.0					
7 „	.811	.851	81.4	79.4	2.0	78.7	.92	81.4	83.5	„	0.0					
8 „	.834	.853	82.2	80.1	2.1	79.3	.91	82.0	83.6	SE b S	0.1					
9 „	.837	.841	84.4	81.0	3.4	79.8	.87	83.2	83·8	„	0.1					
10 „	.840	.877	85.0	80.4	4.6	78.8	.82	84.0	83.9	SSE	0.1					
11 „	.823	.854	86.8	81.0	5.8	79.0	.79	84.8	84.0	S	0.1	None.	None.	None.	None.	None.
Noon.	.799	.801	88.2	82.0	6.2	79.9	.77	85.4	84.2	„	0.1					
1 p. m.	.762	.771	88.8	82.0	6.8	79.7	.75	86.0	84.3	„	0.1					
2 „	.739	.777	89.0	81.4	7.6	78.7	.73	86.0	84.5	W	0.2					
3 „	.726	.762	88.5	81.3	7.2	78.8	.74	86.0	84.5	„	0·2					
4 „	.731	.801	87.2	80.2	7.0	77.7	.74	85.6	84.5	W b N	0.4					
5 „	.745	.805	85.5	80.0	5.5	78.0	.79	84.5	84.5	„	0.2					
6 „	.772	.857	84.0	79.0	5.0	77.2	.81	83.8	84.4	„	0.2					
7 „	.798	.868	83.4	79.2	4.2	77.7	.83	83.3	84.4	W	0.2					
8 „	.823	.897	83.0	79.0	4.0	77.5	.84	83.0	84.3	„	0.1					
9 „	.833	.905	82.8	79.0	3.8	77.6	.85	82.7	84.3	W b N	0.1					
10 „	.835	.905	82.6	79.0	3.6	77.7	.86	82.7	84.3	WNW	0.1					
11 „	.821	.891	82.6	79.0	3.6	77.7	.86	82.6	84.2	„	0.2					
Oct. 2nd-Midnight	.800	.867	82.4	79.0	3.4	77.8	.86	82.3	84.1	W b N	0.1					
1 a. m.	.788	.853	82.2	79.0	3.2	77.8	.87	82.2	84.1	„	0.1					
2 „	.771	.840	81.8	78.8	3.0	77.7	.88	82.0	84.1	„	0.2					
3 „	.768	.869	81.6	78.0	3.6	76.6	.86	81.7	84.0	„	0.4					
4 „	.770	.867	81.3	78.0	3.3	76.7	.87	81.5	84.0	WNW	0.2					
5 „	.786	.874	81.2	78.2	3.0	77.0	.88	81.3	84.0	„	0.2					
6 „	.808	.893	80.9	78.2	2.7	77.2	.89	81.2	84.0	NW b W	0.0					
7 „	.822	.874	81.7	79.2	2.5	78.3	.90	81.5	83.9	„	0.0					
8 „	.835	.871	83.4	80.0	3.4	78.8	.86	82.9	84.0	„	0.1					
9 „	.841	.846	84.8	81.1	3.7	79.8	.86	83.8	84.1	NNW	0.0					
10 „	.836	.890	85.0	80.0	5.0	78.2	.81	84.0	84.2	N	0.0					
11 „	.825	.885	86.3	80.2	6.1	78.0	.77	84.7	84.3	WNW	0·2	None.	None.	None.	None.	None.
Noon.	.805	.883	87·2	80.0	7.2	77.4	.74	85.0	84.4	„	0.1					
1 p. m.	.783	.849	88.0	80.5	7.5	77.8	.73	85.7	84.5	W b S	0.3					
2 „	.764	.835	88.1	80.4	7.7	77.6	.72	85.9	84.5	WNW	0.4					
3 „	.750	.813	87.8	80.5	7.3	77.8	.73	85.8	84.5	„	0.5					
4 „	.750	.823	86.7	80.0	6.7	77.6	.75	85.2	84.5	„	0.5					
5 „	.764	.860	85.0	79.0	6.0	76.8	.77	84.0	84.5	„	0.2					
6 „	.785	.866	83.6	79.0	4.6	77.3	.82	83.4	84.5	„	0.3					
7 „	.809	.892	83.1	78.8	4.3	77.2	.83	83.0	84.5	„	0·2					
8 „	.831	.922	82·7	78.5	4.2	76.9	.83	82.8	84.4	„	0.3					
9 „	.827	·923	82.3	78.3	4.0	76.8	.84	82.5	84.4	NW b W	0.1					
10 „	.838	.920	81.9	78.5	3.4	77.3	.86	82.1	84.3	„	0.1					
11 „	.828	.912	81.6	78.4	3.2	77.2	.87	81.9	84.2	NW b N	0.0					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: cirri; cirro-cumuli; cumuli; cirro-strati; cumulo-strati; and nimbi.	
8	R	Overcast; light rain at 12h. 30m.	
8	B	Overcast; light rain ceased at 1h. 35m.	
8	B	Overcast with , moving W; a few drops of rain at 2h. 55m.	
8	B	Overcast with , moving W.	
8	B	around hor.; and scattered throughout.	
8	R	scattered throughout, moving E.	
8	R	around hor.; and scattered throughout.	
7	R	Overcast with , moving E.	
7	R	and scattered throughout, the latter moving ENE.	
7	R	" " "	
5	R	around hor.; scattered about, lightning in E hor. at intervals of more than 10m.	
5	R	and scattered about, the latter moving NE.	
4	C	and scattered about hor., the former moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 83°5 and 84°2.
5	R	A few above W hor.; scattered about, moving ENE.	
4	R	A few above S hor.; scattered about, moving ENE.	
4	R	above S hor.; scattered about, moving NE.	
7	R	Densely clouded with and , the latter moving E.	
8	B	Overcast with , moving E.	
7	B	Densely clouded with , , and , the latter moving E.	
6	B	" " "	
4	B	and scattered about, the former moving NNE.	
4	C	and scattered about hor., the former moving ENE.	
3	C	" " "	
4	C	" " "	
3	C	and scattered around hor., the former moving NE.	
4	R	" " "	
3	R	and scattered about hor., the former moving E.	
4	R	and scattered about, the former moving ESE.	
6	R	" " "	
6	B	A few above S hor.; scattered about, moving ESE.	
7	B	and scattered throughout, the former moving ESE.	
6	B	" " "	
7	B	" " "	
7	C	" " "	
7	C	Clouded as before; a lunar halo.	
6	C	around hor.; scattered about.	
5	C	scattered about, moving ESE.	Mean daily temperature of ground 20 and 60 inches below its surface 83°6 and 84°0.
5	R	" "	
5	R	scattered throughout; around hor., moving SE.	
5	R	Clouded as before.	
6	R	A few above NW hor.; scattered about, moving SE.	
5	B	and scattered about, the former moving SE.	
7	B	" " "	
7	B	" " "	
7	B	" " "	
7	C	" " "	
7	C	" " "	
5	C	around hor.; scattered about.	
3	C	" "	
3	R	" "	
3	R	" "	
4	R	and scattered about, the former moving SE.	
4	R	" " "	
5	B	" " "	
6	B	" " "	
3	B	and scattered about hor.	
3	B	scattered about hor., moving SE.	
1	C	Masses of scattered in E hor.	
4	C	scattered about, moving SE.	
5	C	scattered about; a few drops of rain between 11h. 24m. and 11h. 26m.	

Bombay Civil Time. 1860.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 Inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Oct. 3rd-Midnight	29.814	28.876	81°9	79°0	2°9	77°9	0.88	82°0	84°2	NW b N	0.3					
1 a. m.	.793	.871	81.0	78·4	2.6	77.4	.89	81.5	84.0	N b W	0·1					
2 „	.776	.863	80.4	78.0	2.4	77.1	.90	81.0	84.0	N	0.1					
3 „	.766	.849	80.0	78.0	2.0	77.2	.92	80.7	84.0	„	0.0					
4 „	.763	.841	79.5	78.0	1.5	77.4	.94	80.5	83·9	„	0.0					
5 „	.778	.887	79.1	77.1	2.0	76.3	.92	80.2	83.9	„	0·0					
6 „	.806	.906	79.4	77.4	2.0	76.6	.92	80.2	83.9	„	0.1					
7 „	.829	.879	81.6	79.2	2.4	78.3	.90	81.9	83.9	„	0·1					
8 „	.852	.905	83.0	79.5	3.5	78.2	.86	82.4	84.0	„	0.1					
9 „	.853	.864	85·0	81.0	4.0	79.6	.84	83.5	84.1	N b E	0·0					
10 „	.852	.902	84.6	80.0	4.6	78·3	.82	83.5	84.1	„	0.0					
11 „	.843	.912	86.4	80.0	6.4	77.7	.76	84.4	84·2	WNW	0·0					
Noon.	.817	.883	87.6	80.4	7.2	77.8	.74	85.2	84.4	W b N	0·2					
1 p. m.	.796	.881	87.8	80.0	7.8	77.2	.72	85.5	84.5	W	0·2					
2 „	.768	.847	88.0	80·2	7.8	77.4	.72	85.6	84.5	W b N	0.2					
3 „	.754	.805	87.8	80.8	7.0	77.3	.74	86.7	84.5	„	0·4					
4 „	.756	.834	87.2	80.0	7.2	77.4	.74	85.2	84.6	„	0.5					
5 „	.771	.867	85.0	79.0	6.0	76.8	.77	84.0	84.6	„	0·5					
6 „	.782	.869	83.4	78.8	4.6	77.1	.82	83·2	84.5	„	0.2					
7 „	.805	.912	82.9	78.2	4.7	76.4	.82	82.9	84.4	W	0.1					
8 „	.831	.942	82.5	78.0	4.5	76.3	.82	82.5	84.4	W b N	0.1					
9 „	.837	.926	82.0	78.4	3.6	77.0	.86	82.1	84.3	„	0.0					
10 „	.834	29.011	81.4	76.0	5.4	73·8	.79	81.5	84.2	„	0.3					
11 „	.829	28.983	79·3	76.0	3.3	74.7	.86	80.6	84.1	„	0.5					
Oct. 4th-Midnight	.823	.961	78.6	76.2	2.4	75.3	.90	79.8	84.0	W b S	0.5	0.01				
1 a. m.	.811	.953	78.2	76.0	2.2	75.1	.91	79.5	84.0	W	0.1					
2 „	.784	.997	77.6	74.0	3.6	72.5	.85	79.0	83.8	W b S	0.1					
3 „	.785	.993	77.2	74.0	3.2	72.7	.87	78.6	83.6	WSW	0.0					
4 „	.795	29.012	78.0	74.0	4.0	72.3	.83	78.7	83.5	„	0.0					
5 „	.823	.010	77.0	74.5	2.5	73.5	.89	78·2	83.4	SE	0.4	0.02				
6 „	.851	.032	76.5	74.5	2.0	73.7	.91	77.5	83.2	NW	0.1					
7 „	.887	.013	77.5	76.2	1.3	75.7	.94	78·2	83.2	NW b N	0.0					
8 „	.904	.079	76.7	74.7	2.0	73.9	.91	77.8	83.2	WNW	0.2	0.05				
9 „	.917	.053	77.6	76·0	1.6	75.4	.93	78.0	83.1	NW b W	0.0	0.02				
10 „	.917	.059	78.2	76.0	2.2	75.1	.91	78.8	83.0	N	0.0					
11 „	.899	.020	79·8	77.0	2.8	75.9	.88	79.9	83·0	NNE	0.0					
Noon.	.876	28.979	81.8	78.0	3.8	76.5	.85	81.0	83.2	„	0.0					
1 p. m.	.851	.969	83.2	78.0	5.2	76.0	.80	82.0	83.4	„	0.0					
2 „	.825	.920	84.9	79.0	5.9	76.8	.78	82.9	83.5	W b N	0.0					
3 „	.806	.933	85.1	78.3	6.8	75.7	.74	83.0	83.5	„	0.4					
4 „	.808	.940	85.2	78·2	7.0	75.5	.74	83.1	83.5	„	0.4					
5 „	.822	29.032	83.6	75.8	7.7	72.6	.71	82.4	83.6	WNW	0.1					
6 „	.837	.055	81.5	75.0	6.5	72.2	.75	81·2	83.5	NW b W	0.2					
7 „	.865	.056	80.7	75.2	5.5	73.0	.78	80.7	83.5	„	0.1					
8 „	.870	.065	80.2	75.2	5.0	73.2	.80	80.3	83.4	„	0.1					
9 „	.870	.052	80.0	75.5	4.5	73.6	.82	80.2	83.3	„	0.0					
10 „	.867	.040	79.2	75·5	3.7	74.0	.85	80.0	83·2	„	0.0					
11 „	.865	.053	78.8	75.0	3.8	73.4	.84	79.5	83.1	„	0.0					
Oct. 5th-Midnight	.856	.037	78.2	75.0	3.2	73.7	.87	79·0	83.0	NW b N	0.0					
1 a. m.	.835	.050	78.8	74.3	4.5	72.4	.82	79.0	83.0	WNW	0.0					
2 „	.833	28·995	78.6	75.6	3.0	74.4	.88	79.0	83·0	„	0·0					
3 „	.833	29.031	78·0	74.5	3.5	73.0	.85	79·0	83.0	„	0.0					
4 „	.837	.038	78.6	74.6	4.0	73.0	.84	79.0	82.9	W b N	0.0					
5 „	.852	.031	78.1	75.0	3.1	73.7	.87	78.6	82.9	„	0.0					
6 „	.876	.018	78.2	76.0	2.2	75.1	.91	78.8	82.9	N	0.0					
7 „	.894	.007	79.8	77.2	2.6	76.2	.89	79.9	82.8	„	0·0					
8 „	.924	.042	81.4	77.5	3.9	76.0	.84	80.9	82.8	NE b N	0.0	0.15				
9 „	.927	.009	77.8	77.4	0.4	77.3	.98	78.3	82.5	N	0·0	0.31				
10 „	.925	28·938	82.0	79.0	3.0	77.9	.88	80.9	82.8	N b E	0.0					
11 „	.910	.982	83.6	79.2	4.4	77.6	.83	81.9	83.0	W	0.0					

Less than one cent.

None. None. None. None.

None. None. None. None.

None. None. None. None.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≤ cirro-cumuli; ≤ cumuli; ≤ cirro-strati; ≤ cumulo-strati; and ≤ nimbi.	
6	C	≤ scattered about, moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 83°8 and 84°0.
5	R	" "	
7	R	" "	
3	R	≤ and ≤ scattered about hor., the former moving SSE; dew falling.	
4	R	≤ around hor.; ≤ scattered about; dew falling.	
4	B	" " "	
6	B	≤ and ≤ scattered throughout, the former moving SE.	
6	B	" " "	
7	B	" " "	
7	C	≤ scattered throughout, moving SE.	
6	C	" "	
5	C	" "	
4	C	A few ≤ above W hor.; ≤ around hor.; ≤ scattered throughout.	
5	R	≤ and ≤ around hor.; ≤ scattered about.	
4	R	≤ around hor.; ≤ and ≤ scattered about, the latter moving E.	
4	R	" " "	
6	R	≤ along E and ≤ along W hor.; ≤ scattered throughout.	
7	B	" " "	
4	B	≤ along E hor.; ≤ along W hor.; ≤ scattered about; lightning in SE hor., at intervals of about 6m.	
3	B	Clouded as before; lightning in SE hor., at intervals of 6m. 48s.	
5	B	≤ around hor.; ≤ scattered about; lightning in ESE.	
7	C	≤ and ≤ scattered about, the former moving ESE.	
8	C	Densely clouded; drops of rain commenced after 10h. 52m.	
8	C	Overcast; raining.	
8	C	Overcast with ≤, moving ESE; drops of rain between 0h. 45m. and 0h. 60m.	Mean daily temperature of ground 20 and 60 inches below its surface 84°0 and 84°2. Daily fall of rain by Osler's Gauge 0.15in.
8	R	Overcast; drizzling rain from 1h. 0m. to 1h. 5m.	
7	R	Densely clouded with ≤ and ≤, the latter moving SE.	
7	R	" " "	
8	R	Overcast with ≤, moving SE; a passing shower of rain at 4h. 14m.	
8	B	Overcast with ≤, moving SE.	
8	B	Overcast; drizzling rain after 6h. 14m.	
8	B	Overcast with ≤, moving SSE; raining very slightly.	
8	B	" " "	
8	C	Overcast with ≤, moving SE; rain ceased at 9h. 15m., but recommenced at 9h. 36m.	
8	C	Overcast; rain ceased at 10h. 58m.	
8	C	Overcast; no rain.	
8	C	Overcast with ≤ and ≤, the former moving ESE.	
7	R	≤ and ≤ scattered throughout, the former moving ESE.	
6	R	≤ around hor.; ≤ and ≤ scattered throughout.	
3	R	≤ around hor.; ≤ scattered here and there.	
3	R	" "	
5	B	" "	
7	B	≤ around hor.; otherwise clouded with ≤.	
3	B	≤ and ≤ scattered about hor.	
3	B	" "	
4	C	≤ around hor.; ≤ scattered about.	
2	C	≤ and ≤ scattered about hor.	
4	C	≤ scattered about, moving E.	
4	C	≤ scattered about, moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 84°0 and 84°2. Daily fall of rain by Osler's Gauge 1.03in.
3	R	" "	
5	R	" "	
4	R	" "	
4	R	A few ≤ above E hor.; ≤ scattered around hor., moving E.	
5	B	≤ scattered about, moving E.	
6	B	≤ around hor.; ≤ and ≤ scattered about.	
7	B	Densely clouded with ≤ and ≤, the former moving SE; rain commenced at 7h. 38m.	
8	B	Overcast; rain ceased at 8h. 58m.	
8	C	Overcast with ≤, moving ESE.	
5	C	≤ scattered about, moving NNW.	
4	C	" "	

Bombay Civil Time. 1860.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Oct. 5th-Noon.	29.881	28.956	85°0	79°5	5°5	77°5	0.79	82°8	83·1	W b N	0.1					
1 p. m.	.868	.994	85.0	78.3	6.7	75.7	.75	83.0	83.2	,,	0.1					
2 ,,	.845	.951	85.9	79.0	6.9	76.4	.74	83.5	83.3	WNW	0.1					
3 ,,	.833	.952	85.6	78.6	7.0	76.0	.74	83.5	83.4	,,	0.3					
4 ,,	.833	.973	85.2	78.0	7.2	75.2	.73	83.4	83.4	,,	0.2					
5 ,,	.840	29.024	83.4	76.4	7.0	73.6	.73	82.5	83.4	,,	0.1	None.	None.	None.	None.	None.
6 ,,	.850	.020	81.5	76.2	5.3	74.1	.79	81.3	83.4	W b N	0.1					
7 ,,	.870	.069	80.6	75.2	5.4	73.0	.79	80.6	83.2	,,	0.1					
8 ,,	.889	.090	80.0	75.0	5.0	73.0	.80	80.2	83.1	,,	0·1					
9 ,,	.894	.103	79.3	74.6	4.7	72.6	.81	79.8	83.0	WNW	0·1					
10 ,,	.885	.070	78.5	75.0	3.5	73.5	.85	79.2	82.9	,,	0.0					
11 ,,	.881	.097	78.6	74.2	4.4	72.3	.82	79.1	82.8	,,	0.0					
Oct. 6th-Midnight	.873	.081	77.8	74.2	3.6	72.7	.85	78.8	82.8	WNW	0.0					
1 a. m.	.857	.071	77.7	74·0	3.7	72.4	.85	78.6	82.7	,,	0.0					
2 ,,	.856	.069	77.6	74.0	3.6	72.5	.85	78.5	82.6	,,	0.0					
3 ,,	.851	.057	77·0	74.0	3.0	72.8	.87	78.0	82.5	,,	0.0					
4 ,,	.858	28·994	77.6	76.0	1.6	75.4	.93	78.2	82.5	N	0.0					
5 ,,	.882	29.022	78.0	76.0	2.0	75.2	.92	78.5	82·5	N b E	0.0					
6 ,,	.900	.030	77.8	76.2	1.6	75.6	.93	78.5	82.4	NE b N	0.1					
7 ,,	.929	.061	79.0	76·5	2.5	75·5	.90	79.6	82.5	NE	0.1					
8 ,,	.953	.087	81.0	77.0	4.0	75.4	.84	80.4	82.6	,,	0.1					
9 ,,	.954	.061	82.2	78.0	4.2	76.4	.83	81.1	82.6	,,	0.1					
10 ,,	.952	.111	83.3	77.0	6.3	74.5	.76	81.9	82.8	,,	0.1					
11 ,,	.925	.098	84·5	77.0	7.5	74.0	.72	82.8	82.9	,,	0.1	None.	None.	None.	None.	None.
Noon.	.904	.124	85.3	76.0	9.3	72·2	.66	82.8	83.0	,,	0.0					
1 p. m.	.870	.012	87.3	78.5	8.8	75.1	.68	84.0	83.2	W b S	0·1					
2 ,,	·852	.011	86.9	78.0	8.9	74.5	.70	84.0	83·2	W	0.2					
3 ,,	.847	.021	86.8	77.6	9.2	74.0	.67	84·0	83.4	W b N	0.2					
4 ,,	.852	.022	86.1	77.5	8.6	74.1	.68	84.0	83.4	,,	0.1					
5 ,,	·865	.059	84.3	76·4	7.9	73.2	.70	82.9	83.3	WNW	0.1					
6 ,,	·873	.059	82.2	76.0	6.2	73.5	.76	81.9	83.3	,,	0.1					
7 ,,	·887	.080	81·4	75.6	5.8	73.2	.77	81.0	83.2	NW b W	0·1					
8 ,,	.893	.066	81.0	76.0	5.0	74.0	.80	80.8	83.2	,,	0.1					
9 ,,	.923	.053	81.0	77·0	4.0	75.4	.84	81.0	83.1	,,	0.1					
10 ,,	.921	.066	80.6	76.6	4.0	75.0	.84	80.7	83.0	NW	0.0					
11 ,,	.920	·082	80·0	76.0	4.0	74.4	.84	80.2	82.9	NNW	0·0					
Oct. 8th-Midnight	.880	.974	81.0	78.0	3.0	76.8	.88	81.4	83.6	N b W	0.0					
1 a. m.	.860	.935	81.2	78.5	2.7	77.5	.89	81.4	83·4	,,	0.0					
2 ,,	.863	.957	81.0	78.0	3.0	76.8	.88	81.2	83.4	,,	0.0					
3 ,,	.872	.966	81.0	78.0	3.0	76.8	.88	81.0	83.3	,,	0·0					
4 ,,	.872	.966	81.0	78.0	3.0	76.8	·88	81.0	83·3	,,	0.0					
5 ,,	.894	.979	80.2	78.0	2.2	77.2	.91	80.3	83.3	,,	0.0					
6 ,,	.922	29.011	79.7	77.8	1·9	77.0	·92	80.3	83.3	NNW	0.0					
7 ,,	.932	28.983	80.9	79.0	1.9	78.3	·92	80.9	83.3	NW b N	0.0					
8 ,,	.943	29.001	83.0	79.4	3.6	78.1	.86	82.3	83.4	,,	0.0					
9 ,,	.951	28.994	84.0	80·0	4.0	78.6	·84	83.0	83.5	NNW	0.0					
10 ,,	.953	29·002	84.5	80.0	4.5	78.4	.83	83.2	83.6	,,	0.2					
11 ,,	.937	28.995	85.4	80.0	5·4	78.1	.79	83·9	83.7	,,	0.2	None.	None.	None.	None.	None.
Noon.	.919	.965	86.6	80.6	6·0	78.5	.78	84.5	83.8	,,	0.2					
1 p. m.	.892	.949	87.2	80·5	6.7	78.1	.75	85.0	84.0	W b N	0.4					
2 ,,	.863	.937	86.8	80·0	6.8	77.5	.75	85.0	84.0	,,	0.4					
3 ,,	.866	.903	85.4	80.5	4.9	78.8	.81	84.5	84.0	,,	0.1					
4 ,,	.877	.907	84.6	80.6	4.0	79.0	.84	84.0	84.0	W	0.1					
5 ,,	.888	.929	83.8	80·0	3.8	78.6	.85	83.4	84.0	,,	0.3					
6 ,,	.889	.924	83.3	80.0	3.8	78.8	.87	83.3	84.0	,,	0.2					
7 ,,	.917	.950	83.1	80.0	3.1	78.9	.88	83·2	84.0	,,	0.2					
8 ,,	.925	.968	82.5	79.6	2.9	78.6	.89	82.6	84.0	W b N	0.0					
9 ,,	.926	29.018	81.2	78.1	3.1	76.9	.88	81·9	83.9	,,	0.0					
10 ,,	.923	·034	80.8	77·5	3.3	76.3	.87	81.5	83.8	,,	0.0					
11 ,,	.905	28.976	81.2	78.6	2.6	77.6	.89	81.5	83.8	WNW	0.0					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are : ≀ cirri; ≀ cirro-cumuli; ≀ cumuli; ≀ cirro-strati; ≀ cumulo-strati; and ≀ nimbi.	
4	C	≀ scattered about hor., moving SE.	
4	R	A few ≀ above E hor.; ≀ scattered around hor.	
4	R	A few ≀ above NW hor.; ≀ scattered about, moving SE.	
4	R	≀ and ≀ scattered about hor., the former moving SE.	
3	R	≀ scattered about hor.	
2	B	≀ and ≀ scattered about hor.	
2	B	" "	
1	B	Masses of ≀ scattered around hor.	
1	B	" "	
1	C	" "	
1	C	" "	
2	C	≀ scattered about hor., moving E.	
4	C	≀ scattered about, moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 84°0 and 84°2. Corrected reading of Barometer at 9 A. M. was 29·954in., greatest in the month, and about 0·153 in. greater than the Normal Mean.
4	R	" "	
5	R	" "	
5	R	" "	
5	R	" "	
4	B	≀ scattered about; dew falling.	
5	B	≀ around hor.; ≀ scattered about.	
5	B	≀ around hor.; ≀ and ≀ scattered about.	
3	B	" "	
3	C	≀ and ≀ scattered about hor.	
3	C	≀ above W hor.; ≀ scattered around hor.	
2	C	" "	
3	C	≀ scattered around hor., moving ESE.	
3	R	A few ≀ above W hor.; ≀ scattered around hor., moving ESE.	
2	R	" "	
2	R	≀ along E hor.; ≀ along W hor. " "	
2	R	" "	
2	C	≀ around hor.; ≀ scattered here and there.	
2	C	" "	
1	C	≀ scattered along E hor.	
2	C	≀ scattered around hor.	
4	C	≀ scattered about, moving SE.	
4	C	" "	
2	C	≀ scattered about hor., moving SE.	
3	C	≀ scattered around hor; lightning in E every 20s.	Mean daily temperature of ground 20 and 60 inches below its surface 84°0 and 84°5.
4	R	≀ and ≀ around hor.; ≀ scattered throughout; continuous lightning along E hor.	
7	R	≀ around hor.; ≀ and ≀ scattered throughout; continuous lightning in SE hor.	
7	R	" " " "	
8	R	Overcast with ≀ and ≀, the former moving SSE; continuous lightning in E, SE, and S.	
8	B	Overcast; a lunar halo; lightning in SE every minute.	
8	B	Overcast; no lightning or lunar halo visible.	
8	B	" "	
7	B	Densely clouded with ≀, ≀, and ≀, the former moving SSE.	
7	C	Densely clouded with ≀ and ≀, the former moving SE; a few pieces of ≀ in W.	
7	C	≀ around hor.; ≀ and ≀ scattered throughout.	
7	C	" " "	
7	C	" " "	
5	R	≀ around hor.; ≀ scattered throughout.	
7	R	" "	
7	R	≀ around hor.; ≀ and ≀ scattered about.	
7	R	≀ and ≀ scattered throughout, the former moving SE.	
7	B	≀ along E hor.; ≀, ≀, and ≀ scattered about, the former moving SE; a partial rainbow in NE.	
7	B	≀ along E hor.; ≀ along W hor.; ≀ and ≀ scattered throughout; lightning in N every 40s.	
8	B	Overcast with ≀, ≀, and ≀, the former moving SE; continuous lightning in N.	
6	B	≀, ≀, and ≀ scattered throughout, the former moving SSE; lightning in NNE, at intervals of about 1m. 38s.	
6	C	≀ around hor.; ≀ and ≀ scattered throughout; lightning in NE at long intervals.	
4	C	≀ around hor.; ≀ and ≀ scattered about.	
6	C	≀ scattered about, moving SE.	

Bombay Civil Time. 1860.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering some degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Oct. 9th-Midnight	29.899	28.948	80°7	79°0	1°7	78°4	0.93	81°2	83°7	WNW	0.0					
1 a. m.	.886	.969	80.0	78.0	2.0	77.2	.92	80.9	83.7	,,	0·0					
2 ,,	.879	.964	80.2	78.0	2.2	77.2	.91	80.8	83.6	,,	0·0					
3 ,,	.877	.962	80.2	78.0	2.2	77.2	.91	80.7	83.5	,,	0.0					
4 ,,	.885	.947	80.0	78.5	1.5	77.9	.94	80.7	83.5	,,	0.0					
5 ,,	.896	.966	79.6	78.2	1.4	77.7	.94	80.3	83.5	,,	0.0					
6 ,,	.918	.994	79·4	78.0	1.4	77.5	.94	80.2	83.5	,,	0.0					
7 ,,	.934	.977	80.9	79.2	1.7	78.6	.93	80.9	83.5	NW b W	0.1					
8 ,,	.953	.997	82.2	79.5	2.7	78.5	.89	82.0	83.5	NE	0·1					
9 ,,	.950	.978	83.4	80.2	3.2	79.1	.87	82.6	83.6	,,	0.0					
10 ,,	.937	.947	85.3	81.1	4.2	79.6	.84	83.5	83.8	,,	0.0					
11 ,,	.908	.937	86.6	81.0	5.6	79.0	.79	84.4	84.0	NW b W	0.1	None.	None.	None.	None.	None.
Noon.	.874	.900	87.2	81.2	6.0	79.1	.78	85·0	84.1	,,	0·3					
1 p. m.	.847	.887	87.6	81.0	6.6	78.7	.76	85.5	84.2	WNW	0.8					
2 ,,	.818	.855	88.2	81.2	7.0	78.8	.74	86.0	84.2	NW b W	0·8					
3 ,,	.808	.809	88.1	82.0	6.1	79.9	.78	86·0	84.3	W b N	0·8					
4 ,,	.804	.830	87.2	81.2	6.0	79.1	.78	85.7	84.4	NW b W	1·0					
5 ,,	.817	.880	85.8	80.0	5.8	77.9	.78	84.7	84.3	,,	0·6					
6 ,,	.824	.868	84.1	80.0	4.1	78.5	.84	84.0	84.3	NW	0·2					
7 ,,	.838	.852	83.7	80.6	3.1	79.5	.88	83.7	84.3	,,	0.2					
8 ,,	.842	.844	83.4	80.8	2.6	79.9	.89	83.4	84.3	,,	0.5					
9 ,,	.845	.844	82.7	80.7	2.0	80.0	.92	83.0	84.2	NW b N	0.2					
10 ,,	.837	.858	82.0	80.0	2.0	79.3	.92	82.4	84.1	,,	0.0					
11 ,,	.826	.878	81.0	79.0	2.0	78.3	.92	81.7	84.0	NW	0.0					
Oct. 10th-Midnight	.811	.869	80.4	78.7	1·7	78.1	.93	81.0	83.9	NW	0.0					
1 a. m.	.806	.868	80.0	78.5	1.5	77.9	.94	81.0	83.9	,,	0.0					
2 ,,	.792	.871	79.6	78.0	1.6	77.4	.93	80.7	84.0	,,	0.0					
3 ,,	.797	.876	79.6	78.0	1.6	77.4	.93	80.5	83.9	,,	0.0					
4 ,,	.792	.864	79.0	78.0	1.0	77.6	.96	80.1	83.8	,,	0.0					
5 ,,	.807	.860	79.6	78.6	1.0	78.2	.96	80.2	83.8	NW b N	0.1					
6 ,,	.830	.883	79.6	78.6	1.0	78.2	.96	80.4	83.8	NW b W	0.1					
7 ,,	.841	.893	81.0	79.0	2.0	78.3	.92	81.0	83.7	NW b N	0.1					
8 ,,	.851	.879	82.6	80.0	2.6	79.1	.90	82.1	83.8	N b W	0.1					
9 ,,	.853	.853	84.0	81.0	3.0	80.0	.88	83.1	84.0	NNE	0.1					
10 ,,	.843	.833	85.9	81.7	4.2	80.3	.84	84.1	84.1	NE b N	0.1					
11 ,,	.820	.876	86.6	80.6	6.0	78.5	.78	84.5	84.2	N	0·3	None.	None.	None.	None.	None.
Noon.	.793	.873	87.4	80.0	7.4	77.3	.73	85.0	84.3	NW b W	0.3					
1 p. m.	.765	.790	87.5	81.3	6.2	79.2	.77	85.3	84.4	WNW	0.5					
2 ,,	.744	.744	88.0	82.0	6.0	80.0	.78	85.9	84.5	,,	0.7					
3 ,,	.729	.729	88.0	82.0	6.0	80.0	.78	86.0	84.5	,,	0.4					
4 ,,	.730	.754	88.2	81.5	6.7	79.2	.75	86.0	84.6	,,	0.2					
5 ,,	.747	.805	86.6	80.3	6.3	78.1	.77	85.2	84.6	,,	0.2					
6 ,,	.753	.803	84.6	80.0	4.6	78.3	.82	84.1	84.6	NW b W	0·1					
7 ,,	.774	.789	83.8	80.6	3.2	79.6	.87	83.7	84.6	NW	0.3					
8 ,,	.783	.776	83.4	81.0	2.4	80.2	.90	83.4	84.5	,,	0.2					
9 ,,	.787	.776	83.0	81.0	2.0	80.3	.92	83.1	84.5	,,	0.1					
10 ,,	.777	.764	82.8	81.0	1.6	80.4	.93	83.0	84.5	,,	0.1					
11 ,,	.769	.755	82.7	81.0	1.7	80.4	.93	83.0	84.5	,,	0.0					
Oct. 11th-Midnight	.761	.743	82.4	81.0	1.4	80.5	.94	82.9	84.4	NW	0.0					
1 a. m.	.742	.722	82.2	81.0	1.2	80.6	.95	82.6	84.5	,,	0.0					
2 ,,	.734	.755	82.0	80.0	2.0	79.3	.92	82.5	84.5	NW b N	0.0					
3 ,,	.728	.746	81.7	80.0	1.7	79.4	.93	82.0	84.4	,,	0.0					
4 ,,	.735	.768	81.2	79.5	1.7	78.9	.93	81.7	84.4	N b W	0.0					
5 ,,	.752	.801	80.7	79.0	1.7	78.4	.93	81.3	84.4	N b E	0.0					
6 ,,	.774	.836	80.0	78.5	1.5	77.9	.94	80.6	84.3	,,	0.0	None.	None.	None.	None.	None.
7 ,,	.797	.846	80.7	79.0	1.7	78.4	.93	81.3	84.2	,,	0.0					
8 ,,	.812	.862	82.8	79.5	3.3	78.3	.87	82.1	84.2	NNE	0.1					
9 ,,	.815	.866	84.0	79.8	4.2	78.3	.84	83.0	84.3	NE b N	0·1					
10 ,,	.805	.905	85.4	79.0	6.4	76.6	.76	83.9	84.4	NNE	0·1					
11 ,,	.793	.855	87.4	80.2	7.2	77.5	.74	85.0	84.5	NE b N	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≤≤ cirro-cumuli; ⌒≤ cumuli; ⌒≤ cirro-strati; ⌒≤ cumulo-strati; and ⌒≤ nimbi.	
6	C	≤≤ scattered about, moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 84°0 and 84°5.
6	R	≤≤ around hor.; ≤ and ≤≤ scattered about.	
7	R	≤≤ scattered throughout, moving E.	
5	R	" "	
4	R	≤ and ≤≤ scattered about hor.; dew falling.	
4	B	≤≤ around hor.; ≤≤ scattered about; dew falling.	
3	B	≤≤ around hor.; ≤ above E hor.; ≤≤ scattered about.	
2	B	≤≤ and ≤≤ scattered about hor.	
3	B	≤≤ and ≤≤ scattered about hor.; the former moving SE.	
5	C	≤≤ and ≤≤ scattered about, both moving SSE.	
5	C	" " "	
5	C	" " "	
3	C	" " "	
3	R	≤≤ and ≤≤ scattered about hor.	
4	R	" "	
3	R	≤≤ and ≤≤ scattered about hor.; a few ≤ above E hor.	
4	R	" " "	
4	B	≤≤ and ≤≤ scattered about, the former moving SE.	
6	B	≤≤ and ≤≤ around hor.; ≤ scattered about.	
6	B	⌒≤ in ESE hor.; ≤ and a few patches of ≤≤ scattered about.	
5	B	≤≤ and ≤ scattered throughout.	
3	C	" "	
3	C	≤≤ and ≤ scattered about hor.	
2	C	≤≤ and ≤ scattered about hor.; dew falling.	
		" " "	
2	C	≤ and ≤≤ scattered about hor.; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 84°0 and 84°5.
2	R	" " "	
3	R	" " "	
4	R	≤ and ≤≤ scattered about; dew falling.	
4	R	" "	
5	B	" "	
6	B	≤≤ scattered throughout.	
6	B	A few ≤ above W hor.; ≤≤ scattered throughout.	
6	B	≤≤ scattered throughout.	
5	C	" "	
4	C	≤≤ scattered about.	
3	C	Pieces of ≤≤ scattered around hor. and in W.	
3	C	Pieces of ≤≤ scattered here and there.	
3	R	" "	
2	R	" "	
2	R	≤≤ scattered about hor.	
3	R	" "	
2	B	" "	
3	B	" "	
2	B	" "	
2	B	" "	
4	C	" "	
6	C	≤≤ scattered throughout.	
7	C	" "	
8	C	Overcast with ≤≤ and ≤≤, the former moving ESE.	Mean daily temperature of ground 20 and 60 inches below its surface 84°1 and 84°5. At 3 P. M. the reading of Barometer corrected for temperature was 29·677 in., lowest in the month, and about 0·068 in. lower than the Normal Mean; at 2 P. M. the Temperature of Air was 92°8, highest in the month, and about 4°5 higher than the Normal Mean.
8	R	" " "	
8	R	" " "	
8	R	Overcast; a break in E.	
8	R	Uniformly overcast.	
8	B	" "	
8	B	" "	
8	B	Overcast; mist along W hor.	
3	B	≤≤ scattered about hor.; mist along W hor.	
0	C	A few pieces of ≤≤ above W hor.	
0	C	Clear.	
0	C	A few pieces of ≤≤ along E hor.	

Bombay Civil Time. 1860.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Oct. 11th–Noon.	29.752	29.015	89°2	76°0	13°2	70°4	0.55	86°0	84°6	NE b N	0.3					
1 p. m.	.712	28.925	91.8	78.0	13.8	72.5	.55	87.5	84.8	NNE	0.2					
2 „	.686	.825	92.8	80.0	12.8	75.2	.58	88.0	85.0	„	0.1					
3 „	.677	.719	91.8	82.0	9.8	78.6	.67	88.2	85.1	NW	0.2					
4 „	.683	.745	89.6	81.0	8.6	77.9	.70	87.0	85.1	„	0·3					
5 „	.711	.878	87.6	78.0	9.6	74.2	.66	85.9	85.0	„	0.1	None.	None.	None.	None.	None.
6 „	.722	.896	85.6	77.3	8.3	74.0	.69	84.9	85.0	NW b N	0.3					
7 „	.745	.842	85.1	79.0	6.1	76.7	.77	84.5	85.0	„	0.1					
8 „	.769	.905	84.8	78.0	6.8	75.4	.75	84.2	84.9	NNW	0.1					
9 „	.773	.942	84.2	77.0	7.2	74.1	.73	84.0	84.8	N b W	0.4					
10 „	.769	.999	83.4	75.2	8.2	71.8	.69	83.2	84.7	„	0.3					
11 „	.763	29.004	82.2	74.6	7.6	71.3	.71	82.5	84.6	„	0.0					
Oct. 12th–Midnight	.748	28.947	82.0	75.6	0.4	73.0	.75	82.1	84.6	N b W	0.0					
1 a. m.	.722	.841	81.5	77.5	4.0	76.0	.84	81.7	84.5	„	0.0		+	10	10	1.30
2 „	.712	.852	81.5	77.0	4.5	75.2	.82	81.7	84.4	„	0·0		+	10	10	1.00
3 „	.712	.924	81.0	75.0	6.0	72.5	.76	81.5	84.4	N	0.0		+	2		Above 10m.
4 „	.714	.887	81.0	76.0	5.0	74.0	.80	81.3	84.3	„	0.0		+	2		Above 10m
5 „	.733	.865	80.8	77.0	3.8	75.5	.85	81.2	84.3	„	0.1		+	1		Above 10m.
6 „	.766	.886	80.5	77.2	3.3	75.9	.87	80.9	84.3	„	0.2		+	4		0.56
7 „	.796	.946	80.7	76.5	4.2	74.8	.83	81.2	84.2	„	0.2					
8 „	.817	.931	82.8	78.0	4.8	76.1	.81	82.1	84.2	„	0·1					
9 „	.823	.892	84.0	79.4	4.6	77.7	.82	83.0	84.3	„	0.1		+	3		0.28
10 „	.823	.923	85.4	79.0	6.4	76.6	.76	84.0	84.4	„	0.1		+	3		1.15
11 „	.809	.881	86.6	80.0	6.6	77.6	.75	84.9	84.5	„	0.1	None.	+	2		2.48
Noon.	.779	.896	88.4	79.4	9.0	76.0	.68	85.6	84.6	E b S	0.1		+	3		2.24
1 p. m.	.761	.844	89.6	80.5	9.1	77.2	.68	86.0	84.8	SW	0.1		+	6	6	2.20
2 „	.740	.765	90.3	82.0	8.3	79.2	.71	86.9	84.9	„	0.1		+	3		2.00
3 „	.728	.772	90.0	81.5	8.5	78.5	.70	87.0	85.0	W b S	0.1		+	5		Above 10m.
4 „	.732	.729	89.4	82.4	7.0	80.1	.75	86.8	85.0	„	0.1		+	6	6	2.00
5 „	.753	.793	87.6	81.0	6.6	78.7	.76	85.8	85.0	SW b S	0.1		+	4		2.26
6 „	.768	.812	84.8	80.2	4.6	78.5	.82	84.6	85.0	„	0.1		+	5		1.00
7 „	.789	.813	84.2	80.5	3.7	79.2	.85	84.1	85.0	„	0.0		+	4		1.25
8 „	.812	.825	83.6	80.6	3.0	79.5	.88	83.6	84.9	SSW	0.0		+	3		1.08
9 „	.821	.827	82.6	80.5	2.1	79.8	.91	83.0	84.7	„	0.0		+	4		0.37
10 „	.821	.809	82.2	80.8	1.4	80.3	.94	82.9	84.7	SW b S	0.0		+	3		1.00
11 „	.822	.815	81.8	80.6	1.2	80.2	.95	82.5	84.6	„	0.0		+	5		0.25
Oct. 13th–Midnight	.817	.814	81.4	80.4	1.0	80.1	.96	82.2	84.6	SW b S	0.0		+	8		0.23
1 a. m.	.779	.791	81.2	80.0	1.2	79.6	.95	82.0	84.6	S b W	0.0		+	9		0.20
2 „	.775	.785	81.0	80.0	1.0	79.6	.96	82.0	84.6	„	0.0		+	2		2.00
3 „	.768	.807	80.6	79.2	1.4	78.7	.94	81.7	84.6	SE b S	0·0		+	1		Above 10m.
4 „	.770	.794	80.4	79.5	0.9	79.2	.96	81.5	84.5	„	0.0		+	1		Above 10m.
5 „	.787	.830	80.2	79.0	1.2	78.6	.95	81.2	84.5	„	0.0					
6 „	.801	.844	80.2	79.0	1.2	78.6	.95	81.2	84.5	„	0.0					
7 „	.828	.839	81.5	80.1	1.4	79.6	.94	82.1	84.4	SE	0.0					
8 „	.849	.877	82.6	80.0	2.6	79.1	.90	82.6	84.4	SE b E	0.1					
9 „	.862	.822	84.4	82.0	2.4	81.2	.90	83.7	84.6	„	0.1					
10 „	.856	.849	85.8	81.6	4.2	80.2	.84	84.7	84.7	„	0.1					
11 „	.840	.795	88.0	83.0	5.0	81.3	.81	85.6	84.8	„	0.1	None.				
Noon.	.814	.817	88.3	82.0	6.3	79.9	.74	86.0	84.9	„	0.1					
1 p. m.	.791	.804	89.2	82.0	7.2	79.5	.74	86.7	85.1	WNW	0.2					
2 „	.763	.753	90.0	82.7	7.3	80.3	.74	87.0	85.2	W b N	0.2					
3 „	.751	.773	90.0	82.0	8.0	79.3	.72	87.2	85.3	„	0.1					
4 „	.753	.792	89.8	81.8	8.0	78.7	.72	87.0	85.4	W	0·1					
5 „	.765	.797	87.7	81.2	6.5	78.9	.76	86.0	85.4	W b N	0.1					
6 „	.778	.797	85.7	81.0	4.7	79.3	.82	85.1	85.2	WNW	0.1					
7 „	.803	.840	84.2	80.2	4.0	78.8	.84	84.2	85.1	„	0.1					
8 „	.832	.871	83.6	80.0	3.6	78.7	.86	83.9	85.1	„	0·0		+	Out of Sc.	30	0.04
9 „	.846	.862	83.5	80.5	3.0	79.4	.88	83.9	85.1	NW b W	0.0		+	15	14	0.25
10 „	.837	.865	82.6	80.0	2.6	79.1	.89	83.2	85.0	„	0.0					
11 „	.833	.894	81.8	79.0	2.8	78.0	.89	82.5	86.0	NE b N	0.1					

Amount of Clouds 0—9	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≤≤ cirro-cumuli; ⌒ cumuli; ⌒≤ cirro-strati; ⌒⌒ cumulo-strati; and ≤⌒ nimbi.	
0	C	A few pieces of ≤≤ along E hor.	
0	R	" "	
0	R	" "	
1	R	≤≤ scattered along E hor.	
2	R	Patches of ≤≤ scattered here and there.	
6	B	≤≤ scattered throughout, moving W.	
7	B	≤≤ scattered throughout, moving W; lightning in NE hor.	
8	B	Overcast with ≤≤, moving W.	
8	B	" "	
8	C	" "	
8	C	" "	
7	C	≤≤ scattered throughout.	
6	C	≤≤ scattered throughout.	Mean daily temperature of ground 20 and 60 inches below its surface 84°2 and 84°5.
6	R	" "	
7	R	" "	
6	R	" "	
3	R	≤≤ scattered about.	
4	B	" "	
4	B	≤≤ scattered about; mist along W hor.	
6	B	≤≤ scattered throughout; mist along W hor.	
6	B	" " "	
6	C	" " "	
7	C	" " "	
7	C	" " "	
3	C	≤≤ scattered about hor.	
3	R	A few ≤ along W hor.; ≤≤ scattered around hor.	
3	R	Partially clouded with ≤ and pieces of ≤≤.	
3	R	≤ along W hor.; ≤≤ scattered along E hor.	
3	R	" " "	
2	B	⌒≤ in N hor.; ≤ and ≤≤ scattered about hor.	
2	B	⌒≤ in N hor.; ≤ around hor.; ≤≤ scattered about, moving W; lightning in N hor.	
0	B	A few patches of ≤≤ here and there.	
1	B	≤≤ scattered around hor.	
1	C	≤≤ scattered around hor.; dew falling.	
0	C	Clear; dew falling.	
0	C	" "	
0	C	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 84°3 and 84°6.
0	R	" "	
0	R	A few patches of ≤≤ in E and W, above hor.; dew falling.	
0	R	A few ≤ along W hor.; dew falling.	
0	R	Clear; dew falling copiously.	
4	B	≤≤ scattered about; dew falling.	
6	B	≤≤ scattered throughout.	
7	B	≤ above SE hor.; ≤≤ scattered throughout; mist along W hor.	
6	B	≤ along E to S; ≤≤ scattered about; mist along W hor.	
6	C	" " "	
4	C	≤ scattered about.	
4	C	" "	
3	C	≤≤ in E hor.; ≤ scattered about.	
4	R	" "	
5	R	⌒≤ along E hor.; ≤ scattered about.	
4	R	" "	
4	R	" "	
4	B	" "	
4	B	Clouded as before; lightning in E and NE hor., at intervals of 15s.	
4	B	Clouded as before; continuous lightning in N and E hor.	
6	B	≤≤ and ≤ scattered throughout; lightning in NE hor. every minute.	
6	B	Clouded as before; lightning in NE and E hor., at intervals of 48s.	
4	B	≤ and ≤≤ scattered about hor.; lightning in NE and E hor. every half minute; dew falling.	
3	B	≤ and ≤≤ scattered about hor.; lightning in NE hor. every 10s.; dew falling.	

Bombay Civil Time. 1860.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 8 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Strawe of Volts 1.	Electrical Instruments. Readings of Strawe of Volts 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Oct. 15th-Midnight	29.817	28.899	81°4	78°4	3°0	77°3	0.88	81°7	84°6	NE b N	0.3		+	7		0.27
1 a. m.	.790	.882	80·8	78.0	2.8	76.9	.89	81.4	84.5	„	0.0		+	2		3.00
2 „	.772	.864	80·8	78.0	2.8	76.9	.91	81.2	84.5	NE	0.0		+	1		Above 10m.
3 „	.760	.845	80.2	78.0	2.2	77.2	.91	81.0	84.5	„	0.0					
4 „	.751	.834	80.0	78.0	2.0	77.2	.92	81.0	84.5	„	0.0					
5 „	.777	.910	79.1	76.5	2.6	75.5	.89	80.0	84.4	„	0.0					
6 „	.807	.926	79.6	77.0	2.6	76.0	.89	80.2		„	0.0					
7 „	.831	.884	81.8	79.2	2.6	78.2	.89	81.2		„	0.1					
8 „	.840	.863	83.8	80.4	3.4	79.2	.87	82.9		„	0.1					
9 „	.847	.880	85.4	80.6	4.8	79.0	.81	83.8		„	0.1					
10 „	.836	.858	86.4	81.0	5.4	79.3	.79	84.7		„	0.1					
11 „	.813	.831	87.6	80.6	7.0	77.7	.74	85.2		„	0.0					
Noon.	.796	.787	89.8	82.6	7.2	80.2	.74	86.4	Out of order.	„	0.2					
1 p. m.	.751	.728	90.0	83.0	7.0	80.7	.75	87.0		WNW	0.1					
2 „	.719	.785	90.0	81.0	9.0	77.8	.68	87.1	86.5	„	0.2	Less than one cent.				
3 „	.725	.777	90.8	81.5	9.3	78.3	.68	87.7	86.0	NW b N	0.2					
4 „	.734	.921	83.0	76.3	6.7	73.5	.74	83.0	85.5	NE b E	0.2		—	Out of Sc.	Out of Sc.	Instantly.
5 „	.753	.969	83.3	75.5	7.8	72.3	.71	82.4	85.1	N	0.1					
6 „	.755	.917	81.4	76.4	5.0	74.4	.80	82.0	85.0	E b N	0.7					
7 „	.755	.917	81.4	76.4	5.0	74.4	.80	81.5	84.9	„	0.0					
8 „	.765	.930	82.0	76.5	5.5	74.3	.78	82.0	84.8	„	0.1					
9 „	.771	.909	81.4	77.0	4.4	75.3	.82	81.6	84.7	„	0.2					
10 „	.773	.904	81.1	77.1	4.0	75.5	.84	81.4	84.6	„	0.1		+	4		1.36
11 „	.777	.891	81.0	77.5	3.5	76.1	.86	81.3	84.5	„	0.0		+	5		2.40
Oct. 16th-Midnight	.771	.885	81.0	77.5	3.5	76.1	.86	81.2	84.5	E b N	0.1		+	2		4.00
1 a. m.	.750	.840	80.6	78.0	2.6	77.0	.89	81.0	84.5	„	0.0		+	2		4.20
2 „	.765	.897	80.8	77.0	3.8	75.5	.85	81.0	84.3	E	0.6					
3 „	.748	.807	81.6	79.0	2.6	78.0	.89	81.7	84.3	S b E	2.0					
4 „	.764	.823	81.6	79.0	2.6	78.0	.89	81.8	84.3	„	0.5					
5 „	.796	.888	80·8	78.0	2.8	76.9	.89	81.4	84.2	S	0.0					
6 „	.796	.907	80.4	77.4	3.0	76.3	.88	81.1	84.2	SSW	0.0					
7 „	.811	.867	81.4	79.0	2.4	78.1	.89	81.5	84.2	S b E	0.0					
8 „	.822	.875	83.0	79.5	3.5	78.2	.86	82.3	84.3	SSE	0.0					
9 „	.814	.828	85.3	81·0	4.3	79.5	.83	83.9	84.5	NNW	0.0					
10 „	.812	.827	86.9	81.4	5.5	79.5	.79	85.0	84.6	NE b N	0·0					
11 „	.782	.795	87.8	81.4	6.4	79.5	.77	85.6	84.7	NW	0.1					
Noon.	.754	.798	88.0	81.0	7.0	78.5	.74	86.0	84.8	NNW	0.2					
1 p. m.	.728	.758	88.8	81.5	7.3	79.0	.74	86 5	84.9	NW	0.5					
2 „	.698	.716	88.4	81.7	6.7	79.4	.75	86.3	85.0	NW b W	0.4					
3 „	.688	.736	88.4	81.0	7.4	78.4	.73	86 5	85.0	„	0.6					
4 „	.692	.717	88.3	81.5	6.8	79.2	.75	86.5	85.1	W b N	0.3					
5 „	.712	.749	87.4	81.0	6.4	78.8	.76	86.0	85.1	„	0.7					
6 „	.770	29.024	81.4	74.0	7.4	70.8	.71	82.0	85.0	NW b N	1.0					
7 „	.837	.079	74.2	72.2	2.0	71.3	.90	77.2	84.6	ENE	1 to 14	0.10	—	Out of Sc.	Out of Sc.	Instantly
8 „	.833	.034	77.2	74.2	3.0	73.0	.87	78.5	84·4	„	0.0	0.07	—	Out of Sc.	Out of Sc.	Instantly.
9 „	.829	.010	75.4	74.2	1.2	73.7	.95	77.3	84.1	E b N	0.8	0.06	—	Out of Sc.	Out of Sc.	Instantly.
10 „	.819	28 948	77.0	76.0	1.0	76.3	.96	78.3	84.0	NE	1·0					
11 „	.795	.931	77.7	76.0	1.7	75.4	.93	78.9	84.0	„	0.7					
Oct. 17th-Midnight	.775	.915	78.0	76.0	2.0	75.2	.92	79.0	83.9	ENE	0.1					
1 a. m.	.775	.915	78.0	76.0	2.0	75.2	.92	79.0	83.9	„	0.2					
2 „	.762	.909	78.6	76.0	2.6	75.0	.89	79.4	83.8	NE	0.1					
3 „	.743	.919	79.5	75.5	4.0	73.9	.84	79.8	83.7	E	0 8					
4 „	.740	.934	79.4	75.0	4.4	73.2	.82	79.8	83.7	E b N	0.1					
5 „	.769	.956	78.5	75.0	3.5	73.5	.86	79.5	83.7	„	0.0					
6 „	.785	29.000	78.5	74.2	4.3	72.4	.82	79.0	83.6	„	0.1	None.				
7 „	.803	.001	80.1	75.1	5.0	73.0	.80	80.0	83.6	„	0.1					
8 „	.823	28.989	82.1	76.5	5.6	74.3	.78	81.1	83.6	„	0.1					
9 „	.823	.992	84.2	77.0	7.2	74.1	.73	82.3	83.7	„	0.1					
10 „	.809	.987	85.0	77.0	8.0	73.8	.70	83.0	83.9	„	0.1					Above 10m.
11 „	.795	.942	86.2	78.1	8.1	75.0	.70	84.2	84.1	„	0.0		+	1		3.20

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≈ cirri; ≈≈ cirro-cumuli; ⌒ cumuli; ⌒≈ cirro-strati; ⌒⌒ cumulo-strati; and ≈⌒ nimbi.	
8		Overcast with light ≈⌒, moving W.	Mean daily temperature of ground 20 and 60 inches below its surface 84°4 and 84°5. Maximum tension of Electricity by Henly's Apparatus 14; maximum length of the spark by Ronald's measure 0·05in.
5		Light ≈⌒ scattered about, moving W.	
4		≈ scattered about.	
4		" "	
3		" "	
6		≈ and ≈⌒ scattered throughout.	
6		" "	
6		≈ and ≈⌒ scattered throughout; mist along W hor.	
5		" " "	
4		" " "	
5		≈ and ≈⌒ scattered about.	
5		⌒⌒ in E hor.; ≈ and ≈⌒ scattered about.	
5		" "	
4		⌒⌒ in E hor.; ≈⌒ around hor.; ≈ scattered throughout; occasional thunder in NE.	
5		⌒⌒ along E hor.; ≈ scattered throughout; occasional thunder in E and NE. [20m.; drops of rain after 3h. 37m.	
7		⌒⌒ along E hor.; ≈⌒ around hor.; ≈ scattered throughout; occasional thunder in ENE; heavy puffs of wind after 3h.	
8		Overcast with ≈, ≈⌒, and ≈⌒; light drops of rain; occasional thunder in NE; a partial rainbow in N at 4h. 52m.	
7		≈, ≈⌒, and ≈⌒ scattered throughout; a rainbow in E; occasional thunder in NE.	
7		Densely clouded with ≈, ≈⌒, and ≈⌒; lightning in SE every minute.	
7		Densely clouded with ≈, ≈⌒, and ≈⌒; continuous lightning in SE.	
6		≈, ≈⌒, and ≈⌒ scattered about; lightning in SE and S hor., in every 10s.	
4		≈⌒ around hor.; ≈ scattered throughout; lightning in SE and S in every 15m.	
3		≈⌒ around hor.; ≈ scattered about; lightning in SE.	
5		" " "	
7	C	≈⌒ and ≈ scattered about, the former moving W; thunder in NE; lightning along E hor. every minute.	Mean daily temperature of ground 20 and 60 inches below its surface 84°5 and 84°6. Daily fall of rain by Osler's Gauge 0·15 in.; maximum tension of Electricity by Henly's Apparatus 15; maximum length of the spark by Ronald's measure 0·18in. The reading of dry and wet Bulb thermometers at 7 P. M. were respectively 74.2 and 72.2, lowest in the month.
8	R	Overcast with ≈⌒ and ≈⌒, the former moving W; lightning in E hor., every 1½m.	
8	R	Overcast with ≈⌒ and ≈⌒, the former moving NE; lightning in N and E every 2m.	
8	R	Overcast with ≈⌒ and ≈⌒, the former moving W; lightning in N and E hor., in every 20s. interval.	
7	R	Densely clouded with ≈⌒ and ≈⌒, the former moving W; lightning in N and E hor., in every 1½m.	
8	B	Overcast with ≈⌒ and ≈⌒, lightning in WNW in every 1¼m. interval.	
8	B	Overcast with ≈, ≈⌒, and ≈⌒.	
8	B	Overcast with ≈ and ≈⌒.	
7	B	Densely clouded with ≈ and ≈⌒.	
6	C	≈ and ≈⌒ scattered about.	
5	C	" "	
6	C	" "	
7	C	≈⌒ scattered throughout.	
6	R	⌒⌒ along E hor.; ⌒⌒ along W hor.; ≈ scattered about.	
6	R	⌒⌒ along E hor.; ≈⌒ above N hor.; ≈ scattered about.	
6	R	⌒⌒ along E hor.; ≈ scattered about; ⌒⌒ along W hor.; thunder in ENE at 3h. & at 3h. 12m.	
6	R	⌒⌒ along E hor.; ≈ scattered throughout; occasional thunder in NE. [58m.	
6	B	⌒⌒ along E hor.; ≈ and ≈⌒ scattered throughout; distant thunder in NE; continuous lightning along E hor. after 5h.	
8	B	Overcast with ≈⌒, moving SSE; continuous lightning along E hor.; thunder in E every 4m.; rain commenced at 6h.	
8	B	Overcast; raining lightly from 7h. 0m. to 7h. 20m.; lightning and thunder in E hem. [50m.	
8	B	Overcast; lightning and thunder in E hem.; rain commenced at 8h. 6m.	
8	C	Overcast; continuous lightning in E hem.; rain ceased at 9h. 10m.	
8	C	Overcast; continuous lightning in SSW hor.	
8	C	Overcast; continuous lightning in S hor.	
8	C	Overcast; lightning in SW at intervals of 4m.	Mean daily temperature of ground 20 and 60 inches below its surface 84°5 and 84°6. Daily fall of rain by Osler's Gauge 0·18in.
8	R	Overcast; lightning in SE at intervals of 40s.	
7	R	Densely clouded with ≈⌒ and ≈⌒; lightning in SE hor. at long intervals.	
7	R	Densely clouded; lightning not visible.	
4	R	≈ scattered about.	
5	B	≈ and ≈⌒ scattered about.	
5	B	" "	
6	B	≈⌒ and ≈ scattered throughout, the former moving W.	
4	B	" " "	
4	C	" " "	
3	C	≈ and ≈⌒ scattered about hor.	
3	C	" "	

Bombay Civil Time. 1860.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Oct. 17th–Noon.	29.772	28.893	87°3	79°0	8°3	75°9	0.70	84°6	84°1	E b N	0.1		+	6	6	3.20
1 p. m.	.749	.831	87.5	80.0	7.5	77.3	.73	85.0	84.2	WNW	0.2		+	1		Above 10m.
2 „	.730	.817	88.0	80.0	8.0	77.1	.71	85.5	84.3	„	0.3					
3 „	.703	.748	88.1	81.0	7.1	78.5	.74	85.7	84.4	„	0.4					
4 „	.703	.729	86.4	81.0	5.4	79.1	.80	85.0	84.5	„	0.2					
5 „	.705	.717	86.1	80.0	6.1	77.8	.77	85.0	84.4	NW b W	0.1		•			
6 „	.763	.926	83.6	77.0	6.6	74.4	.75	83.5	84.4	NW	0.1	0.05	+	12	10	0.06
7 „	.761	.957	79.5	75.0	4.5	75.4	.82	80.2	84.1	NW b W	0.0	0.10	+	2		1.10
8 „	.795	.949	80.0	76.2	3.8	74.7	.85	80.6	84.1	N b E	0.0		+	1		Above 10m.
9 „	.798	.850	81.0	79.0	2.0	78.3	.92	81.1	84.1	NNE	0.0		+	2		Above 10m.
10 „	.784	.871	80.4	78.0	2.4	77.1	.90	81.0	84.1	NE b N	0.0		+	7	7	1.04
11 „	.774	.873	80.0	77.6	2.4	76.7	.90	80.7	84.0	„	0.0		+	2		2.15
Oct. 18th-Midnight	.760	.832	80.5	78.4	2.1	77.6	.91	81.0	84.0	NE b N	0.0		+	2		Above 10m.
1 a. m.	.750	.798	80.6	79.0	1.6	78.4	.93	81.0	84.0	„	0.0					
2 „	.754	.806	81.0	79.0	2.0	78.3	.92	81.0	84.0	„	0.0					
3 „	.752	.800	80.6	79.0	1.6	78.4	.93	81.0	84.0	„	0.0					
4 „	.753	.815	80.0	78.5	1.5	76.9	.94	80.5	83.9	„	0.0					
5 „	.769	.864	79.6	77.6	2.0	76.8	.92	80.2	83.8	N b W	0.0					
6 „	.795	.894	80.0	77.6	2.4	76.7	.90	80.5	83.6	N b E	0.1					
7 „	.819	.858	81.8	79.5	2.3	78.7	.90	81.5	83.7	„	0.1					
8 „	.833	.863	83.6	80.2	3.4	79.0	.87	83.0	83.8	NE	0.1					
9 „	.848	.872	85.0	80.7	4.3	79.2	.83	84.0	84.0	„	0.1					
10 „	.856	.871	87.4	81.5	5.9	79.5	.78	85.3	84.1	NE b E	0.0					
11 „	.836	.860	87.8	81.4	6.4	79.2	.77	85.7	84.2	ENE	0.1		+	1		Above 10m.
Noon.	.807	.860	88.8	81.0	7.8	78.2	.72	86.1	84.4	SSW	0.1		+	1		Above 10m.
1 p. m.	.780	.875	88.7	80.0	8.7	76.8	.69	86.0	84.6	SW b W	0.1					
2 „	.745	.891	89.8	81.4	8.4	78.5	.70	86.7	84.7	W b S	0.1					
3 „	.732	.787	90.2	81.3	8.9	78.2	.69	87.0	84.8	W b N	0.1					
4 „	.720	.767	88.3	81.0	7.3	78.4	.73	86.2	84.9	„	0.1					
5 „	.749	.799	86.6	80.5	6.1	78.5	.77	85.1	84.8	NW b W	0.1					
6 „	.773	.827	85.0	80.0	5.0	78.2	.81	84.2	84.7	„	0.1					
7 „	.817	.858	84.6	80.2	4.9	78.6	.83	84.1	84.7	„	0.0		+	3		Above 10m.
8 „	.827	.830	84.3	81.0	3.3	79.9	.86	84.0	84.7	S b E	0.3		+	Out of Sc.	30	0.12
9 „	.869	29.003	81.0	77.0	4.0	75.4	.84	82.0	84.6	SSE	1.5		+	14	12	0.40
10 „	.832	28.944	79.0	77.0	2.0	76.2	.92	81.4	84.6	NE b N	0.0	0.08	+	Out of Sc.	50	0.03
11 „	.851	.956	78.8	76.6	2.2	76.5	.91	81.0	84.5	„	1.0					
Oct. 19th-Midnight	815	.908	78.8	77.4	1.4	76.9	.94	80.3	84.4	NE b N	0.0		+	4		3.04
1 a. m.	.785	.870	78.4	77.5	0.9	77.2	.96	79.5	84.2	„	0.0	0.02	+	Out of Sc.	50	Instantly.
2 „	769	.854	78.4	77.5	0.9	77.2	.96	79.4	84.2	„	0.0	0.02				
3 „	.771	.843	79.0	78.0	1.0	77.6	.96	80.0	84.0	„	0.0					
4 „	.777	.869	78.3	77.3	1.0	76.9	.96	79.5	84.0	„	0.0			•		
5 „	.791	.875	78.6	77.6	1.0	77.2	.96	79.3	84.0	„	0.0					
6 „	.816	.887	78.9	78.0	0.9	77.6	.96	79.8	83.8	„	0.1					
7 „	.835	.877	80.1	79.0	1.1	78.6	.95	80.5	83.8	NE	0.0					
8 „	.855	.898	81.3	79.3	2.0	78.6	.92	81.1	83.8	„	0.0					
9 „	.859	.917	83.0	79.4	3.6	78.1	.86	82.3	84.0	„	0.0					
10 „	.860	.916	85.2	80.0	5.2	78.1	.80	83.9	84.1	„	0.0					
11 „	.837	.902	86.0	80.0	6.0	77.8	.77	84.5	84.2	„	0.0					
Noon.	.819	.792	88.8	82.8	6.0	80.8	.78	86.0	84.4	„	0.0					
1 p. m.	.794	.760	89.0	83.0	6.0	81.0	.78	86.0	84.5	SW	0.0					
2 „	.775	.769	89.5	82.5	7.0	80.1	.75	86.5	84.7	„	0.1					
3 „	.759	.761	90.2	82.5	7.7	79.9	.73	87.0	84.8	SW b W	0.1					
4 „	.762	.783	88.7	81.7	7.0	79.3	.75	86.4	84.9	WSW	0.2					
5 „	.816	.862	86.2	80.5	5.7	78.5	.78	85.1	84.8	WNW	0.4					
6 „	.832	.998	76.8	75.0	1.8	74.3	.92	79.2	84.5	W b N	0.2	0.45	—	Out of Sc.	Out of Sc.	Instantly.
7 „	.829	.941	77.6	76.6	1.0	76.2	.96	79.3	84.3	ENE	0.0	0.05	—	Out of Sc.	Out of Sc.	Instantly.
8 „	.861	.971	78.1	76.8	1.3	76.3	.94	79.6	84.2	„	0.1	0.02				
9 „	.863	.985	78.0	76.5	1.5	75.9	.94	79.5	84.1	S b E	0.1	0.03	+	16	15	2.15
10 „	.872	.973	78.0	77.0	1.0	76.6	.96	79.1	84.0	S	0.1	0.03	+	1		Above 10m.
11 „	.854	.953	77.8	77.0	0.8	76.7	.96	79.0	83.9	S b E	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀∩ cirro-cumuli; ∩ cumuli; ≀— cirro-strati; ∩≀ cumulo-strati; and ≀∩≀ nimbi.	
3	C	∩≀ along E hor.; ≀ and ≀∩≀ scattered about.	
3	R	∩≀ along E hor.; ≀ scattered about.	
4	R	∩≀ along E hor.; ≀ scattered about hor.	
4	R	∩≀ along E hor.; ≀ scattered about hor.; thunder in ENE at 3h. 0m. and 3h. 20m.	
7	R	∩≀ along E hor.; ≀ scattered throughout; distant thunder in NE.	
6	B	∩≀ along E hor.; ≀ and ≀∩≀ scattered about; distant thunder in ENE.	
8	B	Overcast with ≀∩≀, moving W; lightning and thunder in NE every minute; rain from 6h. 0m. to 6h. 24m.	
6	B	≀∩≀, ≀∩≀, and ≀ scattered throughout; continuous lightning and thunder in SE.	
6	B	≀∩≀, ≀∩≀, and ≀ scattered about; lightning in ESE and SE at intervals of 47s.	
5	C	≀∩≀ around hor.; ≀ scattered about; lightning in SE at intervals of 7s.	
4	C	Clouded as before; continuous lightning in SE.	
5	C	≀∩≀ scattered here and there, moving W; lightning in S hor. in every ¼m.	
7	C	≀∩≀ scattered throughout, moving W; lightning in SSE at intervals of ¾m.	Mean daily temperature of ground 20 and 60 inches below its surface 84°5 and 84°6. Daily fall of rain by Osler's Gauge 0.08in.
7	R	Densely clouded with ≀∩≀; lightning in SSE at intervals of 1¼m.	
7	R	Clouded as before; lightning in SSE at intervals of more than 10m.	
4	R	≀ and ≀∩≀ scattered about.	
4	R	Clouded as before; dew falling.	
5	B	" "	
7	B	Densely clouded with ≀∩≀ and ≀.	
6	B	≀ and ≀∩≀ scattered throughout; mist from SE to N hor.	
7	B	≀∩≀ around hor.; ≀ scattered throughout; mist along W hor.	
6	C	≀ and ≀∩≀ scattered throughout.	
6	C	" "	
6	C	∩≀ along E hor.; ≀ scattered throughout.	
6	C	" "	
7	R	" "	
6	R	" "	
5	R	" "	
7	R	" "	
6	B	∩≀ along E hor.; ≀ and ≀∩≀ scattered throughout.	
7	B	∩≀ along E hor.; ≀ and ≀∩≀ scattered throughout; thunder and lightning in SE.	
8	B	Overcast with ≀, ≀∩≀, and ≀∩≀, the latter moving W; lightning and thunder in SE.	
8	B	Overcast; lightning and thunder in S.	
8	C	Overcast; lightning and thunder in E hor.; light rain from 9h. 14m. to 9h. 43m.	
8	C	Overcast; lightning in S; thunder in SW; slight rain from 10h. 5m. to 10h. 49m.	
8	C	Overcast; lightning in SW in every 2m.	
8	C	Overcast; lightning in SW every minute; slight rain after 0h. 2m.	Mean daily temperature of ground 20 and 60 inches below its surface 84°5 and 84°6. Daily fall of rain by Osler's Gauge 0.52in. Maximum tension of Electricity by Henly's Apparatus 6; maximum length of the spark by Ronald's measure 0.07in.
8	R	Overcast; rain ceased at 1h. 50m.	
8	R	Overcast; no rain.	
3	R	≀ scattered about hor.; dew falling.	
3	R	" "	
5	B	≀ scattered about; dew falling.	
6	B	≀ and ≀∩≀ scattered throughout.	
7	B	≀ and ≀∩≀ scattered throughout; mist along W hor.	
7	B	" " "	
7	C	Densely clouded with ≀ and ≀∩≀.	
7	C	" "	
7	C	" "	
7	C	∩≀ along E hor.; ≀ and ≀∩≀ scattered throughout.	
5	R	∩≀ along E hor.; ≀ and ≀∩≀ scattered about, the latter moving NW.	
6	R	" " "	
7	R	∩≀ along E and N hor.; ≀ scattered throughout; thunder in E after 3h. 16m.	
6	R	∩≀ along E and N hor.; ≀ and ≀∩≀ scattered throughout, the latter moving NE; distant thunder in E.	
8	B	Overcast with ≀∩≀, moving SSE; thunder in E and lightning in N after 5h. 30m.; rain commenced at 5h. 16m.	
8	B	Overcast; lightning and thunder about 2th.; rain ceased at 6h. 25m., but recommenced at 6h. 54m.	
8	B	Overcast; lightning and thunder about 2th.; rain ceased at 7h. 20m.	
8	B	Overcast; continuous lightning along W hor.; thunder in SSE; rain commenced at 8h. 17m.	
8	C	Overcast; raining lightly; lightning in SW at intervals of 2¼m.	
8	C	Overcast; raining lightly; lightning in SW, the intervals of which was uncertain.	
8	C	Overcast; slightly raining; lightning in WSW at 11h. 38m.	

Bombay Civil Time. 1860.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or−	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.	77°6	77°0	0°6	76°7	0.97	79°0	83°9	S b E	lbs. 0.0	in.		Sc. div.	Sc. div.	m. s.
Oct. 20th-Midnight	29.843	28.940														
1 a. m.	.829	.928	77.8	77.0	0.8	76.7	.97	79.0	83.9	SSE	0.0	0.01				
2 „	.825	.922	77.6	77.0	0.6	76.7	.97	79.0	83.7	„	0.0					
3 „	.827	.898	78.2	77.8	0.4	77.6	.98	79.0	83.6	„	0.0					
4 „	.829	.912	78.2	77.5	0.7	77.2	.97	79.3	83.5	„	0.0					
5 „	.849	.932	78.2	77.5	0.7	77.2	.97	79.2	83.5	„	0.1					
6 „	.859	.957	77.7	77.0	0.7	76.7	.97	78.8	83.5	„	0.0					
7 „	.871	.975	78.3	77.0	1.3	76.5	.94	79.1	83.5	S b E	0.0					
8 „	.877	.942	80.3	78.5	1.8	77.8	.92	80.3	83.5	SSE	0.1					
9 „	.877	.942	82.2	79.0	3.2	77.3	.87	81.8	83.6	„	0.1					
10 „	.875	.936	81.8	79.0	2.8	78.0	.89	81.7	83.6	„	0.1					
11 „	.851	.907	82.3	78.5	3.8	78.1	.85	81.8	83.6	„	0.0					
Noon.	.824	.902	83.4	79.0	4.4	77.4	.82	82.7	83.7	„	0.0				None.	
1 p. m.	.789	.836	84.4	80.0	4.4	78.4	.83	83.5	83.8	W	0.0		+	1		Above 10m.
2 „	.763	.822	85.0	80.0	5.0	78.2	.81	83.8	84.0	W b S	0.0		+	2		Above 10m.
3 „	.754	.769	85.4	81.0	4.4	79.5	.83	84.0	84.0	„	0.0		+	1		Above 10m.
4 „	.756	.799	84.0	80.0	4.0	78.6	.84	83.5	83.9	„	0.1					
5 „	.774	.806	83.0	80.0	3.0	78.9	.88	82.7	83.9	W	0.1					
6 „	.790	.836	82.2	80.0	2.2	79.2	.91	82.0	84.0	WNW	0.1					
7 „	.813	.836	82.2	80.0	2.2	79.2	.91	82.0	84.0	„	0.1					
8 „	.833	.875	82.0	79.5	2.5	78.6	.90	82.0	84.0	NW b W	0.1					
9 „	.834	.870	81.5	79.5	2.0	78.8	.92	81.6	84.0	„	0.1					
10 „	.834	.865	81.0	79.5	1.5	79.0	.94	81.4	84.0	„	0.1					
11 „	.834	.875	80.0	79.0	1.0	78.6	.96	81.0	83.8	WNW	0.0					
Oct. 22nd-Midnight	.804	.848	80.3	79.0	1.3	78.5	.95	81.0	84.2	N b W	0.0					
1 a. m.	.791	.874	80.0	78.0	2.0	77.2	.92	80.7	84.2	N b E	0.0					
2 „	.779	.858	79.6	78.0	1.6	77.4	.93	80.3	84.1	„	0.0					
3 „	.773	.849	79.4	78.0	1.4	77.5	.94	80.1	84.0	„	0.0					
4 „	.780	.888	78.6	77.0	1.6	76.4	.93	79.6	83.9	„	0.0					
5 „	.800	.881	78.7	77.7	1.0	77.3	.96	79.5	83.9	„	0.0					
6 „	.825	.915	78.5	77.4	1.1	77.0	.95	79.5	83.8	„	0.1					
7 „	.849	.947	78.5	77.2	1.3	76.7	.95	79.5	83.7	NE	0.1					
8 „	.877	.963	80.3	78.0	2.3	77.1	.90	80.4	83.7	„	0.1					
9 „	.890	.955	82.2	79.0	3.2	77.8	.87	81.8	83.7	NE b E	0.1					
10 „	.883	.924	83.8	80.0	3.8	78.6	.85	82.8	83.8	„	0.1					
11 „	.852	.939	84.2	79.0	5.2	77.1	.80	83.0	83.9	„	0.1	None.	None.	None.	None.	None.
Noon.	.818	.882	85.2	79.8	5.4	77.9	.79	83.5	84.0	„	0.0					
1 p. m.	.783	.956	87.1	77.7	9.4	74.0	.66	84.0	84.2	NE	0.0					
2 „	.757	.865	90.0	80.0	10.0	76.4	.65	86.0	84.4	„	0.0					
3 „	.730	.868	88.8	79.0	9.8	75.3	.66	85.5	84.5	„	0.0					
4 „	.748	.825	87.1	80.0	7.1	77.4	.74	85.0	84.5	W b N	0.1					
5 „	.769	.855	84.8	79.2	5.6	77.1	.79	83.9	84.4	WNW	0.1					
6 „	.779	.862	83.8	79.0	4.8	77.2	.81	83.0	84.4	„	0.1					
7 „	.797	.873	83.2	79.0	4.2	77.5	.83	83.0	84.4	„	0.1					
8 „	.818	.920	82.1	78.1	4.0	76.6	.84	82.2	84.2	„	0.0					
9 „	.817	.936	81.5	77.5	4.0	76.0	.84	81.7	84.2	„	0.0					
10 „	.812	.884	81.3	78.6	2.7	77.6	.89	81.5	84.1	„	0.0					
11 „	.806	.858	81.0	79.0	2.0	78.3	.92	81.3	84.0	„	0.0					
Oct. 23rd-Midnight	.790	.860	80.8	78.5	2.3	77.7	.91	81.1	83.9	WNW	0.0					
1 a. m.	.777	.835	80.4	78.7	1.7	78.1	.93	81.0	84.0	„	0.0					
2 „	.763	.846	80.0	78.0	2.0	77.2	.92	80.7	84.0	„	0.0					
3 „	.764	.826	80.0	78.5	1.5	77.9	.94	80.5	84.0	„	0.0					
4 „	.763	.822	79.8	78.5	1.3	78.0	.95	80.4	84.0	„	0.0					
5 „	.787	.865	79.5	78.0	1.5	77.4	.94	80.2	83.9	N b E	0.0	None.	None.	None.	None.	None.
6 „	.798	.872	79.9	78.2	1.7	77.5	.92	80.3	83.7	„	0.0					
7 „	.821	.863	80.8	79.2	1.6	78.6	.93	81.1	83.8	„	0.1					
8 „	.833	.861	82.6	80.0	2.6	79.1	.90	82.1	83.9	NNE	0.1					
9 „	.847	.875	83.8	80.3	3.5	79.1	.86	83.0	84.0	„	0.1					
10 „	.844	.881	85.0	80.4	4.6	78.8	.82	83.9	84.1	„	0.1					
11 „	.822	.871	86.5	80.5	6.0	78.4	.78	84.5	84.2	„	0.0					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≤≤ cirro-cumuli; ⌒ cumuli; ⌒≤ cirro-strati; ⌒⌒ cumulo-strati; and ≤≤ nimbi.	
8	C	Overcast; lightning in S every 2m.; raining lightly.	Mean daily temperature of ground 20 and 60 inches below its surface 84°4 and 84°5. Daily fall of rain by Osler's Gauge 0·01in.
8	R	Overcast; lightning in S every ½m.; rain ceased at 1h. 12m.	
8	R	Overcast; lightning in S at intervals of 40s.	
8	R	Overcast; lightning in W and SW at intervals of 20s.	
8	R	" " "	
8	B	Overcast; lightning in SW every 2½m.; a few drops of rain at 5h. 18m. and 5h. 32m.	
8	B	Overcast; lightning was not visible.	
7	B	Densely clouded with ≤≤ and ≤≤.	
7	B	" "	
7	C	" "	
7	C	" "	
7	C	" "	
8	C	Overcast with ≤≤ and ≤≤.	
8	R	" "	
8	R	" "	
8	R	" "	
8	R	" "	
8	R	Overcast; lightning in SSE at intervals of 3m. after 5h. 50m.	
8	R	Overcast; lightning in SSE at intervals of 4m.	
7	R	Densely clouded with ≤ and ≤≤; lightning in S every 3m.	
7	R	Densely clouded; lightning was not visible.	
7	R	Densely clouded with ≤ and ≤≤.	
4	R	≤≤ scattered about hor.; dew falling.	
3	R	" "	
6	C	≤ and ≤≤ scattered about; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 84°4 and 84°7.
4	R	≤ scattered about; dew falling.	
3	R	≤ scattered about hor.; dew falling.	
3	R	" "	
3	R	" "	
3	B	" "	
6	B	≤ scattered throughout.	
7	B	A few ≤≤ in W hor.; ≤ scattered throughout.	
6	B	" " "	
6	C	≤ scattered throughout.	
4	C	≤ scattered around hor.	
5	C	≤ scattered about.	
5	C	" "	
5	R	" "	
6	R	≤≤ along W hor.; ≤ scattered throughout.	
7	R	" " "	
7	R	" " "	
8	B	≤ scattered throughout.	
7	B	" "	
7	B	Densely clouded with ≤; a lunar halo.	
8	B	" "	
7	C	" "	
7	C	Densely clouded with ≤; a lunar halo; dew falling.	
7	C	≤ scattered throughout; dew falling.	
4	C	≤ scattered about; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 84°4 and 84°7.
3	R	" "	
3	R	" "	
3	R	" "	
4	R	≤ and ≤≤ scattered about.	
7	B	A few pieces of ≤≤ above N hor.; ≤ scattered throughout; dew falling.	
8	B	Overcast with ≤ and ≤≤; dew falling.	
7	B	Overcast; mist along W hor.	
7	B	" "	
7	C	Densely clouded with ≤.	
7	C	" "	
7	C	" "	

Bombay Civil Time. 1860.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in receiving the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Oct. 23rd-Noon.	29.782	28.848	88°0	80°5	7°5	77°8	0.73	85°3	84·3	NNE	0.0					
1 p. m.	.749	.779	89.1	81.6	7.5	79.0	.73	86.3	84.5	WNW	0.3					
2 „	.729	.738	88.8	82.0	6.8	79.7	.75	86.4	84.5	NW	0.3					
3 „	.713	.722	88.8	82.0	6.8	79.7	.75	86.5	84.7	„	0.5					
4 „	.713	.759	88.2	81.0	7.2	78.5	.74	86.2	84.8	NW b W	0.3	None.	None.	None.	None.	None.
5 „	.727	.755	86.5	81.0	5.5	79.1	.79	85.2	84.8	„	0.1					
6 „	.745	.782	85.0	80.4	4.6	78.8	.82	84.6	84.7	NW	0.1					
7 „	.771	.801	84.4	80.4	4.0	79.0	.84	84.2	84.7	NW b N	0.1					
8 „	.787	.794	84.3	80.9	3.4	79.7	.87	84.1	84.6	„	0·1					
9 „	.781	.820	83.6	80.0	3.6	78.7	.86	83.7	84.6	„	0·1					
10 „	.781	.796	83.0	80.4	2.6	79.6	.90	83.0	84.5	NNW	0.0					
11 „	.783	.806	82.2	80.0	2.2	79.2	.91	82.6	84.5	„	0.0					
Oct. 24th-Midnight	.771	.755	82.5	81.0	1.5	80.5	.94	82.9	84.5	NNE	0.0					
1 a. m.	.751	.788	81.6	79·5	2.1	78.8	.91	82.0	84.5	„	0.0					
2 „	.748	.765	81.6	80.0	1.6	79.4	.93	82.0	84.5	„	0.0					
3 „	.749	.761	81·2	80.0	1.2	79.6	.95	81.8	84.5	„	0.0					
4 „	.752	·797	80.4	79.0	1.4	78.5	.94	81.0	84.5	„	0.0					
5 „	.765	.846	79.8	78.0	1.8	77.3	.92	80.6	84·3	„	0.0					
6 „	.794	.835	80.0	79.0	1.0	78·6	.96	80.7	84.3	„	0.1					
7 „	.809	·868	81.6	79·0	2.6	78.0	.89	82.0	84.2	NE	0.1					
8 „	.827	.827	84.0	81.0	3.0	80.0	.88	83.2	84.4	„	0.1					
9 „	.835	.859	85.0	80.0	5.0	78.2	.81	84.0	84.5	NE b E	0.3					
10 „	.834	.854	87.4	81.4	6.0	79.3	.78	85.2	84.6	„	0.1					
11 „	.817	.889	88·6	80.5	8.1	78·0	.71	86.1	84.7	„	0.2					
Noon.	.785	.814	90.6	82.0	8.6	79.0	.70	87.0	84.8	„	0.1	None.	+	5	5	0.40
1 p. m.	.753	.809	91.1	81.5	9.6	78.1	.67	87.4	85.0	W	0·1		+	2		Above 10m.
2 „	.727	.731	91.1	82.7	8.4	79.8	.71	87.8	85·2	WNW	0.2		+	1		Above 10m.
3 „	·711	.733	90.0	82.0	8.0	79.3	.72	87·5	85.3	W b N	0.4					
4 „	.712	.719	88.6	82.0	6.6	79.7	.76	86.7	85.3	NW b W	0.3					
5 „	.738	.769	86.8	81·0	5.8	79.0	.78	85.4	85.3	„	0.1					
6 „	.742	.796	85.0	80.0	5.0	78.2	.81	84.5	85.2	„	0.3					
7 „	.766	.777	85·0	81.0	4.0	79.6	.84	84.6	85.2	„	0·2					
8 „	·785	.805	84.6	80.7	3.9	79.3	.85	84.5	85.1	N	0.1					
9 „	.798	.841	84.0	80·0	4.0	78.6	.84	84.0	85.1	NNW	0.0					
10 „	.803	.873	82.6	79.0	3.6	77.7	.86	83.0	85.0	„	0.0					
11 „	.795	·900	81·8	78.0	3.8	76.5	.85	82.2	85.0	„	0·0					
Oct. 25th-Midnight	.790	.946	81.6	77.6	5.0	74.6	.80	82.0	84.9	NNE	0.0					
1 a. m.	.793	.837	82.2	79.5	2.7	78.5	.89	82.4	85·0	NE b N	0.2					
2 „	.775	.834	81.6	79.0	2.6	78.0	.89	82.0	85.0	N	0.2					
3 „	.789	.878	81.7	78.3	3.4	77.0	.86	82.2	84.7	ENE	0·2					
4 „	.790	.881	81.5	78.2	3.3	76.9	·87	82.0	84.7	„	0.0					
5 „	.807	.857	81.2	79.1	2.1	78.3	.91	81.8	84.8	„	0.4					
6 „	.827	.877	80.8	79.0	1·8	78.3	·93	81.5	84.7	„	0.3					
7 „	.849	.896	82.0	79.4	2.6	78.4	·89	82.3	84.7	„	0.1					
8 „	.855	.889	83.2	80.0	3.2	78.9	.87	83.0	84.7	E	0.1					
9 „	.873	.882	85.7	81·2	4.5	79.7	.83	84.5	84.7	„	0.1					
10 „	.866	.874	86.8	81.5	5·3	79.7	·80	85.2	84.8	„	0.1	None.	None.	None.	None.	None.
11 „	.834	.819	88.7	82.5	6·2	80.4	.77	86.4	84.9	„	0.0					
Noon.	.805	.800	89.6	82.5	7.1	80.1	.75	86.9	85.1	„	0.0					
1 p. m.	.777	.788	89.0	82·0	7.0	79.6	.75	86.5	85.2	SW b W	0.3					
2 „	.751	.824	90.6	81.0	9.6	77.6	.67	87.1	85.5	WSW	0.1					
3 „	.749	.800	89.8	81.3	8.5	78.3	.70	87.0	85.5	W b N	0.1					
4 „	.756	.784	88.6	81.5	7.1	79.1	.74	86.5	85.4	WNW	1.0					
5 „	.758	.785	86.8	81·1	5.7	79.1	.79	85.9	85.4	W b N	0.4					
6 „	.772	.783	85.0	81.0	4.0	79.6	.84	84.9	85.4	NW b W	0.5					
7 „	.793	.820	84.5	80.5	4.0	79.1	.84	84.5	85.4	NW	0.3					
8 „	.810	.812	84.2	81.0	3.2	79.9	.87	84.1	85.4	„	0.2					
9 „	.819	.817	83.8	81.0	2.8	80.0	.89	83.8	85.4	NW b N	0.2					
10 „	.817	.843	83.2	80·2	3.0	79.1	.88	83.3	85.3	„	0.1					
11 „	.799	.807	82.4	80.4	2.0	79.7	.92	83.0	85.2	„	0.0					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀ cirro-cumuli; ≀ cumuli; ≀ cirro-strati; ≀ cumulo-strati; and ≀ nimbi.	
7	C	Densely clouded with ≀.	
5	R	A few pieces of ≀ along E hor.; ≀ scattered about.	
5	R	" " "	
5	R	" " "	
4	R	" " "	
5	B	" " "	
6	B	A few ≀ in S hor.; ≀ scattered about.	
3	B	A few ≀ above SE hor.; ≀ scattered about.	
4	B	≀ scattered from E to SW hor.; ≀ scattered about.	
2	C	≀ scattered from E to SW hor.	
2	C	≀ scattered from E to SW hor.; dew falling.	
5	C	≀ scattered about; dew falling.	
4	C	≀ scattered about; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 84°5 and 84°7.
4	R	" "	
3	R	≀ scattered about hor.; dew falling.	
2	R	" "	
0	R	A few ≀ along E hor.; dew falling.	
2	B	≀ and ≀ scattered about hor.; dew falling.	
3	B	" " "	
3	B	Clouded as before; light mist around hor.	
4	B	≀ and ≀ scattered here and there; mist around hor.	
4	C	" " "	
3	C	≀ scattered along E hor.; ≀ scattered about, mist along W hor.	
3	C	≀ scattered along E hor.; ≀ scattered here and there.	
3	C	Clouded with ≀ and ≀ as before.	
3	R	" "	
3	R	≀ and ≀ scattered around hor.	
3	R	" "	
3	R	" "	
3	B	" "	
2	B	Clouded as before; lightning in SE at intervals of ¼m.	
3	B	Clouded as before; lightning in SE and SSE at intervals of ¾m.	
3	B	≀ in S; ≀ around hor.; lightning in S every 1½m.	
4	C	≀ scattered about, moving W; lightning in S occasionally.	
4	C	≀ scattered about, moving W.	
2	C	≀ scattered about hor.	
2	C	≀ about hor. from E to S; ≀ scattered here and there.	Mean daily temperature of ground 20 and 60 inches below its surface 84°5 and 84°7.
2	R	≀ about hor. from E to S; a few ≀ scattered above W hor.; lightning in SE every 2m.	
2	R	≀ along E, and ≀ scattered along W hor.; lightning in SE every 2m.	
3	B	≀ and ≀ scattered around hor., except in N; lightning in S hor. every 2m.	
3	B	≀ and ≀ scattered about hor.; no lightning visible.	
3	C	" " "	
5	C	≀ and ≀ scattered about, the former moving W.	
5	R	Clouded as before; mist around hor.	
5	R	≀ and ≀ scattered about.	
5	B	" "	
5	B	" "	
5	C	" "	
6	C	" "	
4	R	≀ along E hor.; ≀ and ≀ scattered about.	
4	R	" " "	
2	B	" " "	
2	B	" " "	
3	C	≀ along E hor.; ≀ in remainder of hor.; ≀ in E.	
3	C	≀ along E hor; ≀ in remainder of hor.	
4	R	≀ and ≀ scattered about; a partial lunar halo.	
3	R	≀ and ≀ scattered about hor.	
2	B	≀ and ≀ scattered from SE to NW hor.	
2	B	" "	
2	C	≀ scattered along W hor.; dew falling.	

Bombay Civil Time. 1860.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet-Bulb Thermometer.	Depression of Wet-Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in seconds between same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Oct. 26th-Midnight	29.794	28.815	82°0	80°0	2°0	79°3	0.92	82°8	85°1	NW b N	0.0					
1 a. m.	.781	.798	81.6	80.0	1.6	79.4	.96	82.5	85.2	,,	0.0					
2 ,,	.769	.795	81.3	79.7	1.6	79.1	.93	82.0	85.0	,,	0.0					
3 ,,	.762	.788	81.0	79.6	1.4	79.1	.94	82.0	85.0	,,	0.0					
4 ,,	.776	.821	80.4	79.0	1.4	78.5	.94	81.4	84.9	,,	0.0					
5 ,,	.786	.867	79.8	78.0	1.8	77.3	.92	80.5	84.8	,,	0.2					
6 ,,	.805	.884	79.6	78.0	1.6	77.4	.94	80.5	84.7	N	0.0					
7 ,,	.824	.847	82.2	80.0	2.2	79.2	.90	82.3	84.8	NNE	0.1					
8 ,,	.838	.838	84.0	81.0	3.0	80.0	.88	83.5	84.8	,,	0.2					
9 ,,	.848	.819	85.4	82.0	3.4	80.9	.87	84.3	84.9	,,	0.1					
10 ,,	.848	.828	86.2	82.0	4.2	80.6	.84	85.0	85.0	NE	0.1					
11 ,,	.823	.796	88.0	82.6	5.4	80.8	.80	86.0	85.1	,,	0.1					
Noon.	.800	.759	90.0	83.4	6.6	81.2	.76	87.0	85.2	S	0.2					
1 p. m.	.761	.723	90.8	83.5	7.3	81.1	.74	87.7	85.5	SW	0.2					
2 ,,	.742	.713	91.1	83.4	7.7	80.9	.73	88.0	85.6	SW b W	0.1					
3 ,,	.724	.711	90.9	83.0	7.9	80.4	.72	88.0	85.7	W b S	0.3					
4 ,,	.733	.740	89.8	82.3	7.5	79.7	.73	87.3	85.7	,,	0.4					
5 ,,	.756	.765	88.0	81.8	6.2	79.7	.77	86.3	85.7	,,	0.3					
6 ,,	.765	.783	85.6	81.0	4.6	79.4	.82	85.1	85.6	,,	0.2					
7 ,,	.784	.791	84.8	81.0	3.8	79.7	.85	84.4	85.6	W	0.0					
8 ,,	.813	.806	84.2	81.2	3.0	80.2	.88	84.1	85.5	,,	0.1					
9 ,,	.813	.809	83.8	81.0	2.8	80.1	.89	83.9	85.5	,,	0.1					
10 ,,	.814	.846	83.0	80.0	3.0	78.9	.88	83.4	85.4	SE b E	0.3					
11 ,,	.803	.828	82.4	80.0	2.4	79.2	.90	83.0	85.4	,,	0.3					
Oct. 27th-Midnight	.789	.811	82.1	80.0	2.1	79.3	.91	83.0	85.4	SE b E	0.2					
1 a. m.	.779	.800	82.0	80.0	2.0	79.3	.92	82.8	85.4	,,	0.2					
2 ,,	.768	.801	81.6	79.6	2.0	78.9	.92	82.4	85.2	,,	0.5					
3 ,,	.771	.825	81.2	79.0	2.2	78.2	.91	82.0	85.2	,,	0.5					
4 ,,	.773	.825	81.0	79.0	2.0	78.3	.92	82.0	85.1	,,	0.5					
5 ,,	.790	.844	81.2	79.0	2.2	78.2	.91	82.0	85.0	,,	0.6					
6 ,,	.806	.845	80.8	79.0	1.8	78.7	.93	81.5	85.0	,,	0.1					
7 ,,	.826	.854	81.8	79.7	2.1	79.1	.91	82.2	85.0	,,	0.4					
8 ,,	.849	.836	83.7	81.0	2.7	80.1	.89	83.3	85.0	,,	0.3					
9 ,,	.846	.859	85.2	81.0	4.2	79.5	.84	84.3	85.1	,,	0.1					
10 ,,	.832	.821	87.0	82.0	5.0	80.3	.81	85.4	85.2	,,	0.1					
11 ,,	.813	.768	88.0	83.0	5.0	81.4	.81	86.2	85.4	,,	0.1					
Noon.	.784	.797	89.2	82.0	7.2	79.5	.74	86.5	85.5	W b N	0.1					
1 p. m.	.761	.770	90.0	82.3	7.7	79.7	.73	87.0	85.5	WNW	0.2					
2 ,,	.733	.758	90.3	82.0	8.3	79.2	.71	87.6	85.7	,,	0.5					
3 ,,	.723	.746	90.1	82.0	8.1	79.2	.71	87.6	85.7	W b N	0.6					
4 ,,	.725	.718	89.4	82.5	6.9	80.2	.75	87.2	85.8	W	0.3					
5 ,,	.734	.746	87.1	81.5	5.6	79.6	.79	86.1	85.7	,,	0.2					
6 ,,	.748	.743	85.6	81.5	4.1	80.1	.84	85.1	85.7	W b N	0.1					
7 ,,	.767	.771	85.3	81.3	4.0	79.8	.85	85.0	85.6	,,	0.1					
8 ,,	.794	.803	84.8	81.0	3.8	79.7	.85	84.8	85.5	,,	0.2					
9 ,,	.802	.808	84.5	81.0	3.5	79.8	.86	84.6	85.5	,,	0.1					
10 ,,	.807	.807	84.0	81.0	3.0	80.0	.88	84.1	85.5	,,	0.0					
11 ,,	.801	.811	83.7	80.7	3.0	79.6	.88	83.8	85.4	,,	0.0					
Oct. 29th-Midnight	.788	.834	82.4	79.5	2.9	78.5	.83	82.9	85.1	S	0.0					
1 a. m.	.770	.794	82.3	80.0	2.3	79.2	.91	82.6	85.0	S b E	0.2					
2 ,,	.767	.785	81.7	80.0	1.7	79.4	.93	82.2	85.0	,,	0.0					
3 ,,	.755	.767	81.2	80.0	1.2	79.6	.95	82.0	85.0	,,	0.2					
4 ,,	.756	.766	81.0	80.0	1.0	79.6	.96	82.0	85.0	,,	0.5					
5 ,,	.773	.818	80.4	79.0	1.4	78.5	.94	81.1	84.8	,,	0.5					
6 ,,	.793	.836	80.2	79.0	1.2	78.6	.94	81.0	84.8	SSE	0.4					
7 ,,	.820	.865	80.4	79.0	1.4	78.5	.94	81.3	84.8	SE b S	0.3					
8 ,,	.839	.881	82.0	79.5	2.5	78.6	.90	82.2	84.8	SE	0.4					
9 ,,	.858	.860	84.2	81.0	3.2	79.9	.87	83.6	84.8	,,	0.1					
10 ,,	.853	.827	85.6	82.0	3.6	80.8	.86	84.2	84.9	,,	0.1					
11 ,,	.839	.810	87.0	82.4	4.6	80.9	.83	85.2	85.0	S b E	0.1					

None. None. None. None. None.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≤≤ cirro-cumuli; ⌒ cumuli; ⌒≤ cirro-strati; ⌒⌒ cumulo-strati; and ≤⌒ nimbi.	
2	C	≤ scattered along W hor.; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 84°7 and 84°8. Temperature of Evaporation at 1 P. M. was 83°5, highest during the month, and about 6°1 higher than the Normal Mean for the hour.
2	R	≤ scattered along W hor.; dew falling; lightning in SSE hor., every minute.	
2	R	" " " "	
2	R	≤ and ≤≤ scattered about hor.; lightning in S hor., dew falling.	
2	R	≤ and ≤≤ scattered about hor.; lightning in S hor. every ¼m.; dew falling.	
2	B	≤ and ≤≤ scattered about hor.; lightning in SSE hor. every ¼m.; dew falling.	
3	B	⌒≤ in SSE hor.; ≤ and ≤≤ scattered about hor.	
3	B	Clouded as before; mist along W hor.	
3	B	" "	
3	C	⌒≤ in SE hor.; ≤ from NE to SE hor., mist in hor.	
3	C	≤ scattered around hor.; mist along W hor.	
3	C	⌒≤ along E hor.; ≤ around hor.	
2	C	" "	
3	R	⌒≤ along E hor.; ≤ scattered here and there.	
3	R	⌒≤ along E hor.; ≤ in the remainder of hor.	
3	R	" " "	
4	R	⌒≤ along E hor.; ≤ scattered about.	
6	B	" "	
6	B	Clouded as before; lightning in ENE every ¼m.	
7	B	≤≤ in E hor.; ≤ scattered throughout; lightning in ENE every 1¼m.	
7	B	Densely clouded with ≤; a partial lunar halo.	
7	C	" " "	
7	C	Densely clouded; a partial lunar halo; lightning in SE every 5m.	
7	C	Densely clouded; lightning in SE hor., at intervals of 1m. 14s.	
7	C	Densely clouded with ≤; lightning in SSE every ½m.	Mean daily temperature of ground 20 and 60 inches below its surface 84°9 and 85°0.
4	R	≤ and ≤≤ scattered about; lightning in SSE at intervals.	
3	R	≤ and ≤≤ scattered about; lightning not visible.	
4	R	" " "	
4	R	≤ and ≤≤ scattered about hor.	
5	B	≤ and ≤≤ scattered about.	
6	B	" "	
6	B	" "	
5	B	≤≤ above W hor.; ≤ scattered about; mist along W hor.	
4	C	≤≤ along W hor.; ≤ scattered about.	
4	C	⌒≤ along E hor.; ≤ scattered about.	
5	C	Clouded as before.	
6	C	" "	
4	R	" "	
4	R	" "	
3	R	≤ along W, and ⌒≤ along E hor.	
3	R	" "	
3	C	" "	
2	C	⌒≤ along E hor.; ≤ in W hor.; lightning in SE hor., after 6h. 27m.	
2	C	Clouded as before; continuous lightning in SE.	
2	C	" " "	
6	C	≤ scattered throughout; lightning in SE at intervals of 1m.	
7	C	≤ scattered throughout; lightning in SE at intervals of 2m.	
7	C	≤ scattered throughout; lightning in SE at intervals of 4m.	
3	C	≤≤ scattered about, moving N.	Mean daily temperature of ground 20 and 60 inches below its surface 84°9 and 85°0.
4	R	" "	
2	R	" "	
7	R	≤≤ scattered throughout, moving NE.	
5	R	" "	
4	B	" "	
5	B	≤≤ and ≤≤ scattered about, moving NE.	
6	B	" "	
6	B	≤≤ and ≤≤ scattered about, the former moving ENE.	
6	C	≤≤ and ≤ scattered about, the former moving NNE.	
3	C	≤≤ and ≤ scattered about hor., the former moving NE.	
3	C	" " "	

Bombay Civil Time. 1860.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering one degree of repulsion after discharge.
	in.	in.	°	°	°	°		°	°		lbs.	in.		Sc. div.	Sc. div.	m. s.
Oct. 29th—Noon.	29.813	28.832	87·8	81·5	6·3	79·4	0.77	85·6	85·1	SE b S	0.1					
1 p. m.	.789	.814	89.4	81.8	7.6	79.2	.73	86.3	85.3	WSW	0.2					
2 „	.765	.861	88.8	80.0	8.8	76.8	.69	86.0	85.4	W b N	0.4		+	1		Above 10m.
3 „	.763	.816	88.8	81.0	7.8	78.2	.72	86.0	85.5	W	0.4					
4 „	.763	.837	88.4	80.4	8.0	77.5	.71	86.0	85.5	„	0·3					
5 „	.772	.840	86.3	80.0	6.3	77.7	.77	85.0	85.5	„	0.2					
6 „	.789	.876	84.2	79.0	5.2	77.1	.80	84.0	85.4	W b N	0.5	None.			None.	
7 „	.810	.891	83.6	79.0	4.6	77.3	.82	83.5	85.4	WNW	0.6					
8 „	.831	.902	83.1	79.1	4.0	77.6	.84	83.1	85.2	„	0.5					
9 „	.835	.896	82.2	79.1	3.1	78.0	.87	82.6	85.1	„	0.0					
10 „	.832	.884	81.0	79.0	2.0	78.3	.92	81.8	85.0	„	0.0					
11 „	.823	.906	80.4	78.1	2.3	77.2	.90	81.0	85.0	„	0.0					
Oct. 30th—Midnight	.812	.833	80.0	78.0	2.0	79.3	.92	81.0	84.9	WNW	0.0					
1 a. m.	.804	.835	81.0	79.5	1.5	79.0	.94	81.5	84.8	NE b N	0.0					
2 „	.794	.796	81.0	79.0	2.0	78.3	.92	81.7	84.8	„	0.2					
3 „	.794	.843	80.7	79.0	1.7	78.4	.93	81.5	84.8	„	0.3					
4 „	.791	.832	80.0	79.0	1.0	78.6	.96	81.0	84.7	„	0.0					
5 „	.814	.855	80.0	79.0	1.0	78.6	·96	81.0	84.6	„	0.3					
6 „	.840	.881	80.0	79.0	1.0	78.6	·96	80.9	84.6	„	0.2					
7 „	.872	.919	80.5	79.0	1.5	78.4	.94	81.2	84.6	„	0.4					
8 „	.878	.915	81.6	79.5	2.1	78.8	.91	81.7	84.6	NNE	0.3					
9 „	.882	.954	83.2	79.1	4.1	77.6	.84	82.6	84.8	„	0.2					
10 „	.877	.931	85.0	80.0	5.0	78.2	.81	83.8	84.8	„	0.2					
11 „	.858	.967	86.2	79.0	7.2	76.3	.73	84.6	84.9	N b E	0.4	None.	None.	None.	None.	None.
Noon.	.833	.939	87.4	79.4	8.0	76.4	.71	85.0	84.9	NW b W	0.3					
1 p. m.	.804	.968	87.4	78.0	9.4	74.3	.66	85.0	85.0	„	0.5					
2 „	.791	.944	88.3	78.5	9.8	74.7	.65	85.7	85.0	WNW	0.3					
3 „	.779	.904	88.4	79.2	9.2	75.8	.67	85.8	85.1	„	0.4					
4 „	.783	.947	87.4	78.0	9.4	74.3	.66	85.0	85.2	„	0.3					
5 „	.802	.942	85.2	78.0	7.2	75.2	.73	84.0	85.2	„	0.2					
6 „	.806	.968	83.5	77.0	6.5	74.4	.76	83.0	85.0	„	0·6					
7 „	.825	29.031	82.6	75.6	7.0	72.8	.73	82.3	84.9	NW	0.5					
8 „	.845	.031	82.2	76.0	6.2	73.9	.76	82.1	84.9	„	0.4					
9 „	.859	.041	81.8	76.0	5.8	72.6	.77	82.0	84.8	„	0.2					
10 „	.857	.037	81.6	76.0	5.6	73.7	.78	81.9	84.7	„	0.0					
11 „	.847	.005	79.6	76.0	3.6	74.6	.85	80.3	84.6	„	0.0					
Oct. 31st—Midnight	.838	28.987	78.8	76.0	2.8	74.9	.88	79.6	84.5	NW	0.0					
1 a. m.	.831	.975	78.4	76.0	2.4	75.1	.90	79.4	84.4	„	0.0					
2 „	.823	.935	79.0	77.0	2.0	76.2	.92	79.7	84.3	„	0.0					
3 „	.815	.902	79.2	77.7	1.5	77.1	.94	79.9	84.3	„	0.0					
4 „	.811	.950	77.9	76.0	1.9	75.2	.92	79.5	84.2	„	0.0					
5 „	.831	.954	78.2	76.5	1.7	75.8	.93	79.1	84.2	N b E	0.3					
6 „	.851	29.009	77.5	75.4	2.1	74.6	.91	78.5	84.0	„	0.3					
7 „	.870	28.998	78.8	76.8	2.0	76.0	.92	79.8	84.0	NNE	0.2					
8 „	.884	29.046	80.0	86.0	4.0	74.4	.84	80.1	83.9	NE b N	0·2					
9 „	.889	.034	82.0	77.0	5.0	75.0	.80	81.1	83.9	„	0.2					
10 „	.885	.033	84.1	77.5	6.6	74.9	.75	82.6	84.0	„	0.2		+	4		2.37
11 „	.860	28 967	86.0	79.0	7.0	76.4	.74	83.6	84.1	NW	0.1	None.	+	2		4.05
Noon.	.839	29.099	86·8	75.4	11.4	70.5	.60	84.2	84.2	NW b W	0.3				None.	
1 p. m.	.816	.066	88.0	76.0	12.0	71.0	.58	84.2	84.4	„	0.6					
2 „	.795	.009	88.3	77.0	11.3	72.4	.60	85.0	84.5	„	0.8					
3 „	.784	28.995	88.0	77.0	11.0	72.6	.61	85.0	84.5	WNW	1.0					
4 „	.774	29.011	86.8	76.0	10.8	71.5	.62	84.7	84.5	„	0.8					
5 „	.788	.031	84.8	75.3	9.5	71.2	.65	83.3	84.5	NW b W	0.7					
6 „	.805	.023	83.3	75.5	7.8	72.2	.70	82.3	84.4	„	0·8					
7 „	.826	.030	82.3	75.5	6.8	72.8	.74	82.0	84.3	NW	0.4					
8 „	.847	.060	81·8	75.2	6.6	72.5	.74	81.4	84.3	„	0.4					
9 „	.842	·058	81.4	75.0	6.4	72.3	.75	81.1	84.2	„	0.2					
10 „	.851	.088	80.2	74.1	6.1	71.5	.76	80.3	84.2	N	0.0					
11 „	.841	.076	79.6	74.0	5.6	71.6	.78	80.0	84.1	„	0.0					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ∪ cirro-strati; ∩≀ cumulo-strati; and ≀≀ nimbi.	
3	C	≀≀ around hor.; ≀ scattered around hor.	
3	R	≀≀ around hor.; ≀ scattered here and there.	
3	R	" " "	
3	R	" " "	
5	R	" " "	
4	B	" " "	
3	B	" " "	
2	B	" " "	
1	B	≀≀ scattered about hor.	
1	C	≀≀ scattered about hor.; a few ≀ above SW hor.	
0	C	A few patches of ≀≀ in E hor.; dew falling.	
0	C	" " "	
0	C	A few clouds in hor.; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 85°0 and 85°1.
3	R	≀ in E hor.; ≀≀ around hor.; dew falling.	
2	R	" " "	
3	R	" " "	
3	R	" " "	
4	B	≀≀ and ≀≀ scattered about, the former moving NE.	
3	B	≀≀ arounded hor., ≀ and ≀≀ scattered about.	
4	B	≀≀ scattered about, moving SW; mist in NW hor.	
3	B	" " "	
2	C	" " "	
2	C	" " "	
3	C	≀≀ scattered about hor., moving ESE.	
2	C	≀≀ scattered about hor., moving SE.	
2	R	≀≀ and ≀ scattered about, the former moving SE.	
2	R	≀≀ above E hor.; scattered along W hor.	
2	R	∩≀ above NE hor.; ≀ scattered from N to SE hor.	
0	R	A few ≀ along E hor., otherwise cloudless.	
1	B	≀≀ and ≀ scattered about hor.	
1	B	" "	
1	B	≀ scattered about hor.	
1	B	" "	
1	C	" "	
0	C	A few clouds in E hor.	
0	C	Clear; dew falling.	
0	C	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 85°0 and 85°0.
0	R	" "	
0	R	" "	
0	R	" "	
0	R	" "	
0	B	A few pieces of ≀≀ above ESE hor.; dew falling.	
0	B	A few ≀≀ and ≀ above ESE hor.; mist in hor.	
0	B	A few ≀ and ≀≀ scattered around hor.; mist along W hor.	
0	B	" " "	
0	C	A few ≀ in E hor.; mist along W hor.	
0	C	" "	
0	C	Clear.	
0	C	"	
0	R	"	
0	R	A few pieces of clouds in E hor.	
0	R	" "	
0	R	" "	
0	B	" "	
0	B	Clear.	
0	B	"	
0	B	"	
0	C	"	
0	C	"	
0	C	"	

Bombay Civil Time. 1860.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volts 1.	Electrical Instruments. Readings of Straws of Volts 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Nov. 1st-Midnight	29.840	29.080	78°4	73°5	4°9	71°4	0.80	79°1	84°8	N	0.0					
1 a. m.	.827	.088	77.0	72.5	4.5	70.5	.81	78.0	83.8	„	0·0					
2 „	.815	.076	77.0	72.5	4.5	70.5	.81	77.7	83.7	„	0·0					
3 „	·810	28.968	77.9	75.5	2.4	74.6	.90	78.2	83.5	„	0·2					
4 „	.816	.959	78.3	76.0	2.3	75.1	.90	79.0	83.5	NNE	0.0					
5 „	.839	29.013	77.5	75.0	2.5	74.0	.89	78.1	83.5	„	0.0					
6 „	.861	.029	77·0	75.0	2.0	74.2	.92	78.0	83.4	„	0.2					
7 „	.881	.060	78.0	75.0	3.0	73.8	.87	79.1	83.3	„	0.4					
8 „	.897	.081	79.2	75.2	4.0	73.6	.84	79.4	83.3	„	0.3					
9 „	.909	.122	81.1	75.0	6.1	72.5	.76	80.4	83.3	„	0.4					
10 „	.896	.130	83.0	75.0	8.0	71.6	.70	82.6	83.5	NE b N	0·2					
11 „	·877	.101	85.5	76.0	9.5	72.0	.66	83.0	83.6	„	0.2	None.	None.	None.	None.	None.
Noon.	.854	.095	86.4	75.8	10.6	71.3	.62	83·4	83.7	WNW	0.0					
1 p. m.	.815	.017	87.2	77.0	10.2	72.9	.64	84.1	83.9	„	0·3					
2 „	.794	.044	88.0	76.0	12.0	71.0	.58	85.0	84.0	„	0.2					
3 „	.779	.011	87.8	76.4	11.4	71.7	.60	85·0	84.0	„	0.4					
4 „	.771	.064	86.7	74.5	12.2	69.1	.57	84.5	84.1	„	0·4					
5 „	.781	.027	84.8	75.2	9.6	71.1	.65	83.4	84.0	NW b W	0.5					
6 „	.793	.016	83.0	75.0	8.0	71.6	.73	82.5	83.9	NW	0.7					
7 „	.817	.002	82.8	76.2	6.6	73.5	.75	82.2	83.9	„	0·8					
8 „	.828	.010	81.8	76.0	5.8	73.6	.77	81.6	83.9	„	0·6					
9 „	.836	.007	80.8	76.0	4.8	74.1	.89	81.0	83.8	„	0.1					
10 „	.838	.002	80.2	76.0	4.2	74.3	.83	80.6	83.7	„	0.0					
11 „	.831	.021	79.0	75.0	4.0	73.3	.84	79.9	83.6	„	0.0					
Nov. 2nd-Midnight	.825	.056	78.0	73.6	4·4	71.7	.82	78.8	83.4	NW	0.0					
1 a. m.	.815	·032	78.0	74.0	4.0	72.3	.83	78.7	83.4	„	0.0					
2 „	.810	28.970	78.0	75.5	2.5	74.5	.89	78.6	83.5	„	0.0					
3 „	·805	.973	77.0	75.0	2.0	74.2	.91	78.0	83.5	NE	0.0					
4 „	.805	.945	78.0	76.0	2.0	75.2	.92	78.7	83.4	„	0.0					
5 „	.814	.977	77.3	75.2	2.1	74.4	.91	78.1	83.4	„	0.3					
6 „	.837	29.035	76.3	74.0	2.3	73.0	.90	78.0	83.2	„	0.2					
7 „	·873	.063	77.3	74.5	2.8	73.3	.88	78.5	83.1	„	0.1					
8 „	.880	.077	79.0	74.8	4.2	73.1	.82	79.1	83.1	„	0.1					
9 „	·888	.123	81.0	74.4	6.6	71.6	.74	80.2	83.2	„	0.1					
10 „	.882	.107	83.8	75.7	8.1	72.4	.70	81.8	83.2	NE b E	0.1					
11 „	.865	.187	85.6	73.5	12.1	67.8	.57	83.0	83.4	NW b W	0·0	None.	+	1	None.	Above 10m.
Noon.	.836	.152	87.0	74.0	13.0	68.1	.54	83.7	83.5	„	0.0		„	1		Above 10m.
1 p. m.	.809	·098	88.0	75.0	13.0	69.1	.55	84.8	83.7	WNW	0.2		„	1		Above 10m.
2 „	.782	.028	89.4	76.5	12.9	71.1	.56	85.7	83.7	„	0.3					
3 „	.767	28.917	88.4	77.6	10.8	74.8	.65	85.6	83.9	„	0.3					
4 „	·767	.970	87.3	77.0	10.3	72.9	.63	85.3	84.0	NW b W	0.6					
5 „	.772	29.053	84.6	74.2	10.4	69.7	.62	83.5	83.9	NW	0.8					
6 „	.789	.019	83.4	75.2	8.2	71.8	.69	82.9	83.9	„	1·0					
7 „	·804	.045	83.0	74.8	8.2	71.3	.69	82.5	83.9	NW b N	0.7					
8 „	.820	.078	81.7	74.0	7.7	70.6	.70	81.3	83.7	NNW	0.4					
9 „	.826	.164	79.0	71.0	8.0	67.1	.68	80.0	83.5	„	0.1					
10 „	.829	.203	77.2	69.4	7.8	65.4	.68	78.4	83.4	„	0.0					
11 „	.831	.125	78.3	72.0	6.3	69.1	.74	78.7	83.3	NNE	0.0					
Nov. 3rd-Midnight	.827	.123	77.8	71.8	6.0	69.0	.76	78.5	83.2	NNE	0.0					
1 a. m.	.821	.105	77.4	72.0	5.4	69.5	.78	78.0	83.2	„	0.0					
2 „	.811	.100	77.8	72.0	5.8	69.3	.76	78.2	83.2	NE b N	0.4					
3 „	.809	.107	77.0	71.5	5.5	68.9	.77	78.0	83.0	„	0.2					
4 „	.811	.054	77.0	73.0	4.0	71.2	.83	77.8	83.0	„	0.1					
5 „	.832	.130	76.0	71.2	4.8	68.9	.80	77.0	82.9	„	0.1					
6 „	.855	.242	74.2	68.0	6.2	64.8	.74	75.8	82.7	NNE	0.1	None.	None.	None.	None.	None.
7 „	.873	.227	77.3	70.0	7.3	66.4	.70	77.8	82.6	„	0.1					
8 „	.889	.227	79.0	71.0	8.0	67.1	.68	78.6	82.6	N	0.4					
9 „	.905	.199	81.6	73.0	8.6	69.1	.67	80.2	82.7	NE	0.2					
10 „	.897	.188	83.4	73.6	9.8	69.2	.64	82.3	82.7	„	0·1					
11 „	.875	.218	86.0	73.0	13.0	66.9	.54	83.0	82.8	„	0·1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌐i cirri; ∿i cirro-cumuli; ∩i cumuli; ⌣i cirro-strati; ∩⌣i cumulo-strati; and ∿⌣i nimbi.	
0	C	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 84°9 and 85°0.
0	R	Clear; dew falling.	
0	R	" "	
0	R	" "	
0	R	" "	
0	B	" "	
1	B	⌐i scattered from E to SW hor.	
0	B	A few ⌐i in E and S hor; mist along W hor.	
0	B	" "	
0	C	Mist along W hor.	
0	C	" "	
0	C	Clear.	
0	C	"	
0	R	A few patches of ∿i in E hor.	
0	R	" "	
0	R	A few ⌐i in SE hor.	
0	R	" "	
0	B	" "	
0	B	Clear.	
0	B	"	
0	B	"	
0	C	"	
0	C	Clear; dew falling.	
0	C	" "	
0	C	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 84°9 and 85°0. The reading of Barometer at 4 P. M. was 29·767 in., lowest in the month, and about 0·068 in. lower than the Normal Mean.
0	R	" "	
0	R	" "	
0	R	" "	
0	R	" "	
0	B	" "	
0	B	" "	
0	B	A few patches of ∿i above W and S hor.; mist along W hor.	
0	B	A few patches of ∿i above W hor.; mist along W hor.	
0	C	Mist along W hor.	
0	C	" "	
0	C	Clear.	
0	C	"	
0	R	A few clouds in E hor.	
0	R	" "	
0	R	A few clouds in N hor.	
0	R	" "	
0	B	" "	
0	B	Clear.	
0	B	"	
0	B	"	
0	C	"	
0	C	"	
0	C	"	
0	C	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 84°7 and 84°9.
0	R	"	
0	R	"	
0	R	"	
0	R	Clear; dew falling.	
0	B	" "	
0	B	Clear.	
0	B	Mist in hor.	
0	B	"	
0	C	"	
0	C	"	
0	C	"	

Bombay Civil Time. 1860.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straw of Volta 1.	Readings of Straw of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Nov. 3rd-Noon.	29.848	29.102	88°4	76°0	12°4	70°8	0.57	84°8	83°0	NW	0.2					
1 p. m.	.817	.127	89.9	75.0	14.9	68.4	.51	86.0	83.3	„	0.3					
2 „	.789	.102	90.2	75.0	15.2	68.2	.50	86.4	83.5	„	0.8					
3 „	.775	.007	89.9	77.0	12.9	71.7	.56	86.5	83.5	„	0.8					
4 „	.773	.020	87.7	76.0	11.7	71.1	.59	85.5	83.6	„	1.0	None.	None.	None.	None.	None.
5 „	.790	.029	85.2	75.5	9.7	71.4	.65	84.0	83.5	„	0.8					
6 „	.803	.044	83.6	75.0	8.6	71.3	.68	82.8	83.5	NW b N	1.0					
7 „	.824	.019	83.0	76.0	7.0	73.2	.73	82.3	83.5	NNW	0.8					
8 „	.847	.066	81.6	75.0	6.6	72.2	.74	81.3	83.5	„	0.4					
9 „	.854	.088	79.5	74.0	5.5	71.6	.79	80.0	83.4	„	0.3					
10 „	.864	.127	77.6	71.0	6.6	67.8	.73	78.5	83.2	„	0.2					
11 „	.848	.126	77.5	72.2	5.3	69.8	.79	78.3	83.2	„	0.2					
Nov. 5th-Midnight	.918	.226	77.3	71.3	6.0	68.5	.75	78.1	82.8	NNE	0.2					
1 a. m.	.895	.242	76.6	70.0	6.6	66.7	.73	77.5	82.7	„	0.1					
2 „	.887	.127	78.0	73.4	4.6	71.4	.81	78.4	82.6	NE	0.2					
3 „	.885	.093	77.2	74.0	3.2	72.7	.87	78.0	82.5	„	0.3					
4 „	.889	.160	76.4	72.0	4.4	70.1	.82	77.6	82.5	„	0.1					
5 „	.898	.164	75.7	72.0	3.7	70.3	.84	76.8	82.5	„	0.3					
6 „	.926	.187	75.3	72.0	3.3	70.5	.86	76.7	82.4	NE b E	0.3					
7 „	.942	.199	76.6	72.5	4.1	70.7	.83	77.7	82.3	ENE	0.3					
8 „	.967	.226	78.4	73.0	5.4	70.6	.78	78.5	82.4	„	0.4					
9 „	.991	.276	80.8	73.0	7.8	69.5	.71	79.5	82.4	„	0.5					
10 „	.977	.288	83.8	73.2	10.6	68.3	.61	81.3	82.4	„	0.6					
11 „	.965	.235	85.6	74.8	10.8	70.1	.61	82.9	82.5	„	0.3	None.	None.	None.	None.	None.
Noon.	.936	.199	87.8	75.6	12.2	70.4	.58	84.2	82.7	„	0.3					
1 p. m.	.909	.157	89.6	76.5	13.1	71.0	.56	85.3	82.9	NE	0.1					
2 „	.879	.087	91.4	78.0	13.4	72.7	.56	86.3	83.0	NNW	0.3					
3 „	.867	.118	88.8	76.2	12.6	70.9	.57	85.7	83.2	WNW	0.5					
4 „	.872	.122	86.6	75.6	11.0	71.0	.61	84.7	83.3	NW b W	0.8					
5 „	.877	.126	84.4	75.0	9.4	71.0	.65	83.5	83.3	NW	1.0					
6 „	.889	.159	82.8	74.0	8.8	70.1	.67	82.5	83.3	„	0.6					
7 „	.907	.209	82.4	73.0	9.4	68.7	.65	82.0	83.3	NW b N	1.4					
8 „	.919	.217	82.0	73.0	9.0	68.9	.66	81.7	83.2	„	1.5					
9 „	.931	.188	81.6	74.0	7.6	70.7	.70	81.2	83.2	„	0.8					
10 „	.925	.174	79.6	73.6	6.0	71.0	.71	80.0	83.1	NNW	0.2					
11 „	.913	.209	77.8	71.8	6.0	69.0	.76	78.6	83.0	N b W	0.6					
Nov. 6th-Midnight	.900	.243	76.3	70.0	6.3	66.9	.74	77.3	82.8	N	0.4					
1 a. m.	.881	.229	76.7	70.0	6.7	66.6	.73	77.7	82.8	N b E	0.1					
2 „	.877	.172	76.8	71.5	5.3	69.0	.78	77.7	82.7	NNE	0.0					
3 „	.874	.216	76.2	70.0	6.2	66.9	.74	77.2	82.6	„	0.3					
4 „	.879	.184	76.0	71.0	5.0	68.6	.79	77.0	82.5	NE	0.4					
5 „	.894	.194	76.2	71.2	5.0	68.8	.79	77.2	82.5	„	0.5					
6 „	.918	.269	75.5	69.5	6.0	66.5	.75	76.8	82.4	„	0.6					
7 „	.940	.395	77.4	67.0	10.4	61.2	.59	77.5	82.4	NE b E	0.4					
8 „	.957	.338	80.3	70.0	10.3	64.8	.61	79.1	82.4	ENE	0.8					
9 „	.974	.341	82.2	71.2	11.0	65.7	.59	80.2	82.4	NE b E	0.7					
10 „	.969	.328	84.2	72.0	12.2	66.1	.56	81.5	82.4	„	0.7					
11 „	.953	.271	85.8	73.6	12.2	68.0	.57	82.5	82.5	„	0.6	None.				
Noon.	.930	.394	87.3	70.2	17.6	60.7	.42	84.2	82.6	„	0.8					
1 p. m.	.895	.378	89.8	70.3	19.5	59.6	.38	85.8	82.8	NE	0.2					
2 „	.873	.379	91.0	70.0	21.0	58.4	.35	86.4	83.0	N b E	0.2		+	1		Above 10m.
3 „	.868	.173	89.8	75.1	14.7	68.6	.51	86.2	83.0	WNW	0.6		+	1		Above 10m.
4 „	.866	.140	86.6	75.0	11.6	69.9	.59	84.7	83.1	„	0.8		+	2		Above 10m.
5 „	.871	.157	84.4	74.0	10.4	69.4	.62	83.5	83.2	NW b W	0.8		+	1		Above 10m.
6 „	.880	.203	82.6	72.5	10.1	67.8	.63	82.1	83.2	NW	0.7					
7 „	.903	.225	81.8	72.3	9.5	67.8	.64	81.6	83.0	„	0.6					
8 „	.926	.205	81.2	73.0	8.2	69.3	.68	81.0	83.0	„	0.6					
9 „	.934	.208	79.8	73.0	6.8	69.9	.73	80.0	83.0	NW b N	1.2					
10 „	.946	.273	78.0	71.0	7.0	67.6	.72	77.3	82.8	N b W	0.8		+	4	4	1.08
11 „	.931	.341	76.3	68.0	8.3	63.6	.67	77.1	82.6	N b E	0.3		+	5	5	1.00

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∖ cirri; ⩘ cirro-cumuli; ⌒ cumuli; ⌣ cirro-strati; ⌒∖ cumulo-strati; and ⩘∖ nimbi.	
0	C	Clear	
0	R	"	
0	R	"	
0	R	"	
0	R	"	
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	B	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 84°7 and 85°0. At 2 P. M. the temperature of Air was 91°4, greatest in the month, and about 3°7 greater than the Normal Mean.
0	C	"	
0	C	Clear; dew falling.	
0	C	" "	
0	C	" "	
0	R	" "	
0	R	Clear.	
0	R	Mist along W hor.	
0	R	" "	
0	B	" "	
0	B	" "	
0	B	Mist in N W hor.	
0	B	" "	
0	C	Clear.	
0	C	"	
0	C	"	
0	C	"	
0	R	"	
0	R	"	
0	R	"	
0	R	"	
0	B	"	
0	B	"	
0	B	"	
0	B	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 84°6 and 84°9.
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	R	"	
0	R	"	
0	R	Mist along W hor.	
0	R	" "	
0	B	" "	
0	B	" "	
0	B	Clear.	
0	B	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	R	"	
0	R	"	
0	R	"	
0	R	"	
0	B	"	
0	B	"	
0	B	"	

Bombay Civil Time. 1860.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Oslèr's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Nov. 7th-Midnight	29.917	29.305	75°8	68°5	7°3	64°7	0.70	76°9	82°5	N b E	0.2					
1 a. m.	.900	.352	74·2	66.0	8.2	61.4	.68	75.8	82.4	„	0.1					
2 „	.898	.361	74.2	65.0	9.2	60.8	.65	75.6	82.3	„	0.1					
3 „	.895	.297	75.0	67.8	7.2	64.0	.70	76.0	82.2	„	0.2					
4 „	.902	.408	73.4	64.0	9.4	58.3	.60	74.5	82.0	„	0.3					
5 „	.905	.365	72.0	65.0	7.0	60.9	.70	73.8	81.8	N	0.3					
6 „	.933	.360	73.4	66.5	6.9	62.7	.71	74.5	81.7	NNE	0.2					
7 „	.958	.393	73.8	66.4	7.4	62.3	.69	75.0	81.5	NE b N	0.2					
8 „	.983	.394	76.4	68.0	8.4	63.5	.66	76.3	81.5	„	0 2					
9 „	30.002	.440	79.1	68.1	11.0	62.1	.58	78.0	81.5	„	0.6					
10 „	29.995	.475	81.0	67.5	13.5	59.8	.50	79.0	81·5	„	0.7	None.			None.	
11 „	.979	.475	83.4	67.8	15.6	58.9	.45	80.3	81.6	„	0.5					
Noon.	.950	.507	85.0	66.5	18.5	55.0	.38	81.9	81.6	„	0.4		+	1		Above 10m.
1 p. m.	.908	.478	87.6	67.0	20.6	54.1	.34	83.5	81.9	NE	0.2		+	2		Above 10m.
2 „	.883	.431	88.6	68.0	20.6	55.6	.34	84.8	82.2	„	0.2		+	1		Above 10m.
3 „	.871	.351	88.6	70.0	18.6	59.8	.40	84.7	82.3	WNW	0.5		+	2		Above 10m.
4 „	.871	.360	86.4	69.0	17.4	59.3	.42	83.5	82.4	NW b W	0.7		+	2		Above 10m.
5 „	.875	.383	83.3	67.4	15.9	58.1	.44	82.0	82.4	NW	0.5		+	2		Above 10m.
6 „	.890	.297	82.0	70 0	12.0	63.8	.56	81.5	82.3	„	1.0		+	2		Above 10m.
7 „	.910	.339	81.0	69.0	12.0	62.6	.55	80.6	82.3	„	2.0		+	1		Above 10m.
8 „	.927	.318	80.6	70.0	10.6	64.6	.60	80.3	82.3	„	0.8		+	1		Above 10m.
9 „	.943	.325	78.6	69.6	9.0	65.0	.65	80.0	82.1	NW b N	1.0		+	1		Above 10m.
10 „	.938	.406	76.2	66.2	10.0	60.5	.60	76.9	82.0	N b W	0.7		+	1		Above 10m.
11 „	.936	.357	74.8	67.2	7.6	63.0	.68	75.8	81.8	N	0.3		+	2		Above 10m.
Nov. 8th-Midnight	.933	.353	74.2	67.0	7.2	63.1	.70	75.2	81.6	N	0.0		+	1		Above 10m.
1 a. m.	.917	.369	73.6	65.8	7.8	61.4	.67	75.0	81.5	NNE	0.1		+	1		Above 10m.
2 „	.914	.385	73.0	65.0	8.0	60.3	.66	74.2	81.5	„	0.1		+	1		Above 10m.
3 „	.917	.408	72.0	64.0	8.0	59.2	.66	73.7	81.3	„	0.2		+	1		Above 10m.
4 „	.924	.415	72.0	64.0	8.0	59.2	.66	73.5	81.1	NE b N	0.1		+	1		Above 10m.
5 „	.930	.398	72·2	64.8	7.4	60.5	.68	73.6	81.0	„	0.2		+	1		Above 10m.
6 „	.954	.438	71.4	64.0	7.4	59.6	.68	73.2	81.0	NE	0.2		+	1		Above 10m.
7 „	.984	.460	71.8	64.4	7.4	60.0	.68	73.5	80.8	NE b E	0.4					
8 „	30.002	.465	73.8	65.5	8.3	60.8	.65	74.5	80.7	„	0.2					
9 „	.026	.509	77.0	66·0	11.0	59.6	.57	76.0	80.6	„	0.7					
10 „	.021	.501	79.6	67.0	12.6	59.8	.53	77.8	80.7	„	0·7	None.				
11 „	.005	.558	81.8	65.5	16.3	55.3	.42	79.0	80.9	„	0.5					
Noon.	29.976	.581	85.0	65.0	20.0	51.6	.34	81.2	81.0	NE	1.2		+	1		Above 10m.
1 p. m.	.936	.447	85.4	68.0	17.4	58.0	.41	81.5	81.2	W	0.4		+	1		Above 10m.
2 „	.916	.451	86.3	67.6	18.7	56.5	.38	82.7	81.4	WNW	0.5		+	1		Above 10m.
3 „	.904	.416	86.3	68.3	18.0	57.9	.40	83.0	81.5	„	0.7		+	1		Above 10m.
4 „	.904	.371	84.4	69.0	15.4	60.5	.46	82.0	81.6	„	0.6		+	1		Above 10m.
5 „	.906	.330	82.0	69.5	12.5	62.9	.54	81.0	81.5	„	0.6		+	1		Above 10m.
6 „	.919	.370	80.0	68.0	12.0	61.4	.55	80.0	81.5	„	0.7		+	1		Above 10m.
7 „	.935	.381	79.5	68 0	11.5	61.7	.57	79.4	81.5	NW	1.0		+	1		Above 10m.
8 „	.958	.333	79.2	70.0	9.2	65.4	.64	79.0	81.5	„	0.3		+	9	8	Above 10m.
9 „	.977	.415	75.8	67.0	8·8	62.1	.64	76.5	81.3	NNW	0.0		+	2		Above 10m.
10 „	.977	.432	75.0	66 2	8.8	61.2	.64	76.0	81·1	„	0·0		+	2		Above 10m.
11 „	.961	.361	75.0	68.5	6.5	65.1	.73	75.6	81.1	„	0.0		+	1		Above 10m.
Nov. 9th-Midnight	.943	.303	74.7	69.0	5.7	66.1	.76	75.3	81.0	NNW	0.0		+	1		Above 10m.
1 a. m.	.927	.285	74.5	69.0	5.5	66.2	.77	75.3	81.0	NNE	0.0					
2 „	.917	.268	73.8	69.0	4.8	66.5	.79	75.0	80.9	„	0.2					
3 „	.919	.317	72.2	67.0	5.2	64.2	.77	74.0	80.8	„	0.1					
4 „	.916	.301	71.0	67.0	4.0	64.9	.82	73.0	80.7	„	0.1					
5 „	.926	.280	71.2	68.0	3.2	66.4	.86	73.0	80.5	„	0.1	None.			None.	
6 „	.954	.323	71.0	67.5	3.5	65.6	.84	73.0	80.5	„	0.1					
7 „	.981	.375	71.8	67.0	4.8	64.4	.79	73.5	80.4	„	0.1					
8 „	.998	.425	74.8	67.0	7.8	62.7	.68	74.8	80.3	N b E	0.2					
9 „	30.031	.452	77.3	68.0	9.3	63.0	.63	76.4	80.2	NE	0.7					
10 „	.021	.432	80.3	69.3	11.0	63.5	.58	78.4	80.4	„	0.8					
11 „	29.996	.426	82.9	69.6	13.3	62.6	.52	80.2	80.5	NE b E	0.8					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∿ cirri; ∿∿ cirro-cumuli; ⌒∿ cumuli; ⌣∿ cirro-strati; ⌒⌣∿ cumulo-strati; and ⌒⌣ nimbi.	
0	B	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 84°5 and 84°9.
0	C	,,	
0	C	,,	
0	C	,,	
0	C	,,	
0	R	,,	
0	R	,,	
0	R	Mist in hor.	
0	R	Mist along W hor.	
0	B	,, ,,	
0	B	,, ,,	
0	B	Clear.	
0	B	,,	
0	C	,,	
0	C	,,	
0	C	,,	
0	C	,,	
0	R	,,	
0	R	Cloudless; fresh gusts of wind commenced at 6h. 55m.	
0	R	Cloudless; fresh gusts of wind ceased at 7h. 10m.	
0	R	Clear.	
0	B	,,	
0	B	,,	
0	B	,,	
0	B	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 84°3 and 84°9.
0	C	,,	
0	C	,,	
0	C	,,	
0	C	,,	
0	R	,,	
0	R	,,	
0	R	Mist and fog around hor.	
0	R	,, ,,	
0	B	,, ,,	
0	B	,, ,,	
0	B	Clear.	
0	B	,,	
0	C	,,	
0	C	,,	
0	C	,,	
0	C	,,	
0	R	,,	
0	R	,,	
0	R	,,	
0	R	,,	
0	B	,,	
0	B	,,	
0	B	,,	
0	B	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 84°1 and 84°8.
0	C	,,	
0	C	Clear; dew falling.	
0	C	,, ,,	
0	C	,, ,,	
0	R	,, ,,	
0	R	Clear.	
0	R	Mist and fog around hor.	
0	R	,, ,,	
0	B	,, ,,	
0	B	,, ,,	
0	B	Mist along W hor.	

Bombay Civil Time. 1860.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Nov. 9th–Noon.	29.970	29.450	86°2	69°2	17°0	59°8	0.43	82°1	80°7	NE b E	0.5					
1 p. m.	.933	.525	86.8	66.2	20.6	52.9	.34	82.5	81.0	„	0.0					
2 „	.911	.573	87.0	63.8	23.2	47.1	.27	83.1	81.2	WNW	0.6					
3 „	.900	.445	85.4	67.0	18.4	55.8	.38	82.5	81.3	„	0.8					
4 „	.904	.319	83.4	70.2	13.2	63.3	.52	81.6	81.2	„	0.8					
5 „	.913	.275	81.2	71.0	10.2	66.0	.61	80.7	81.3	„	0.5	None.	None.	None.	None.	None.
6 „	.927	.291	79.8	70.5	9.3	65.9	.64	79.7	81.2	„	0·2					
7 „	.950	.359	79.2	69.0	10.2	63.6	.61	79.0	81.2	NW	0.5					
8 „	.968	.372	78.7	69.0	9.7	63.9	.62	78.8	81.2	„	0.3					
9 „	.987	.385	78.2	69.0	9.2	64.2	.64	78.2	81.1	NNW	0.4					
10 „	.988	.393	75.8	68.0	7.8	63.9	.69	76.3	81.0	„	0.4					
11 „	.981	.348	75.4	69.0	6.4	65.7	.73	76.0	81.0	N b W	0.0					
Nov. 10th–Midnight	.968	.343	74.0	68.3	5.7	65.4	.76	74.9	80.8	N b W	0.0					
1 a. m.	.948	.329	73 6	68.0	5.6	65.1	.76	74.8	80.8	„	0.0					
2 „	.939	.280	73.0	69.0	4.0	67.0	.82	74.5	80.7	„	0.0					
3 „	.940	.306	72.8	68.2	4.6	65.8	.80	74.1	80.6	NNE	0.2					
4 „	.939	.335	72.0	67.0	5.0	64.3	.78	73.3	80.5	„	0.1					
5 „	.946	.347	71.0	66.5	4.5	64.1	.80	72.0	80.4	„	0.1					
6 „	.960	.407	70.8	65.0	5.8	61.6	.74	72.5	80.4	„	0.1					
7 „	.986	.378	71.6	67.0	4.6	64.5	.80	73.0	80.2	NE	0·1					
8 „	30.010	.379	74.0	68.5	5.5	65.6	.76	74.5	80.0	„	0.3					
9 „	.031	.404	76.6	69.2	7.4	65.4	.70	75.8	80.1	„	0.6					
10 „	.020	.415	78.6	69.2	9.4	64.2	.63	77.3	80.1	„	0·5					
11 „	.001	.428	80.8	69.0	11.8	62.7	.56	78·4	80.2	„	0·3					
Noon.	29.977	.461	83.8	68.3	15.5	59.6	.45	80.3	80.4	„	0·3	None.	None.	None.	None.	None.
1 p. m.	.937	.275	86.2	73.2	13.0	67.1	.54	82.4	80.5	WNW	0.2					
2 „	.922	.294	85.4	72.0	13.4	65·5	.53	82.1	80.7	„	0.5					
3 „	.913	.315	85.4	71.5	13.9	64.0	.51	82.2	80.9	„	0·5					
4 „	.917	.240	84.2	73.0	11.2	68.8	.59	82.0	81.0	„	0.7					
5 „	.917	.277	81.0	71.0	10.0	66.1	.62	81.0	81.0	NW	0.5					
6 „	.928	.268	79.2	71.0	8.2	67.0	.68	79.0	81.0	„	0.6					
7 „	.952	.285	78.5	71.0	7.5	67.3	.70	78.7	81.0	„	0.6					
8 „	.965	.285	77.4	71.0	6.4	67.9	.74	77.7	80.9	NW b N	0·2					
9 „	.978	.347	75.6	69.0	6.6	65.6	.73	76.5	80.7	„	0.2					
10 „	.982	.432	74.0	66.0	8.0	61.5	.67	75.0	80.7	NNW	0.1					
11 „	.967	.440	73.2	65.0	8.2	60.2	.65	74.5	80.5	„	0.2					
Nov. 13th–Midnight	.968	.264	74.8	70.6	4.2	68.6	.82	75.7	80.3	N b W	0.0					
1 a. m.	.942	.285	73.2	69.0	4.2	66.9	.82	74.4	80.2	„	0.0					
2 „	.935	.280	72.8	68.8	4.0	66.8	.82	74.2	80.1	„	0.0					
3 „	.933	.289	72.6	68.4	4.2	66.3	.82	74.0	80.0	„	0.0					
4 „	.934	.319	72.2	67.4	4.8	64.9	.79	73.8	79.9	N	0.3					
5 „	.942	.317	71.6	67.5	4.1	65.4	.82	73.1	79.8	N b E	0.4					
6 „	.956	.349	70.6	66.6	4.0	64.5	.82	72.7	79.7	„	0.2					
7 „	.988	.392	72.7	67.0	5.7	63.9	.75	73.5	79.7	ENE	0.3					
8 „	30.008	.348	75.0	68.5	6.5	65.1	.73	75.0	79.7	„	0.3					
9 „	.030	.455	77.6	68.0	9.6	62.8	.62	76.2	79.8	„	0.7					
10 „	.019	.468	80.1	68.1	12.0	61.5	.55	78.1	79.8	„	0.5					
11 „	29.998	.405	82.0	70.0	12.0	63.8	.55	79.3	79.9	„	0.6	None.	None.	None.	None.	None.
Noon.	.972	.355	83.0	71.0	12.0	65.0	.56	80.1	80.0	„	0.3					
1 p. m.	.932	.371	86.8	70.6	16.2	62.1	.46	82.0	80.2	„	0.1					
2 „	.910	.263	87.6	73.2	14.4	66.4	.51	83.2	80.4	WNW	0.3					
3 „	.899	.219	86.0	73.6	12.4	67.9	.56	83.0	80.5	„	0.5					
4 „	.904	.186	84.0	74.0	10.0	69.6	.63	82.0	80.6	„	0.7					
5 „	.891	.215	81.0	72.0	9.0	67.8	.66	80.2	80.6	„	0.6					
6 „	.928	.195	79.2	73.0	6.2	70.2	.75	79.0	80.5	NW b W	0.1					
7 „	.942	.202	78.5	73.0	5.5	70.5	.78	78.6	80.5	„	0.1					
8 „	.972	.208	78.0	73.5	4.5	71.5	.81	78.1	80.5	„	0.1					
9 „	.984	.287	75.8	71.0	4.8	68.7	.80	76.3	80.5	NW	0.1					
10 „	.989	.294	76.0	71.0	5.0	68.6	.79	76.4	80.5	„	0.0					
11 „	.975	.269	75.0	71.0	4.0	69.1	.83	75.9	80.4	„	0.0					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌇ cirri; ⌇⌇ cirro-cumuli; ⌒ cumuli; ⌒⌇ cirro-strati; ⌒⌒ cumulo-strati; and ⌇⌒ nimbi.	
0	C	Clear.	
0	C	,,	
0	C	,,	
0	C	,,	
0	C	,,	
0	R	,,	
0	R	,,	
0	R	,,	
0	R	,,	
0	B	,,	
0	B	,,	
0	B	,,	
0	B	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 83°9 and 84°8.
0	C	Clear; dew falling.	
0	C	,, ,,	
0	C	,, ,,	
0	C	,, ,,	
0	R	,, ,,	
0	R	Mist around hor.	
0	R	Mist along W.hor.	
0	R	,, ,,	
0	R	,, ,,	
0	B	,, ,,	
0	B	,, ,,	
0	B	,, ,,	
0	C	Clear.	
0	C	,,	
0	C	,,	
0	C	,,	
0	R	,,	
0	R	,,	
0	R	,,	
0	R	,,	
0	B	,,	
0	B	,,	
0	B	,,	
0	B	Clear, with dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 83°3 and 84°6.
0	C	,, ,,	
0	C	,, ,,	
0	C	,, ,,	
0	C	,, ,,	
0	R	,, ,,	
0	R	Mist around hor.	
0	R	Mist and fog in hor.	
0	R	,, ,,	
0	B	,, ,,	
0	B	,, ,,	
0	B	Clear.	
0	B	,,	
0	C	,,	
0	C	,,	
0	C	,,	
0	C	,,	
0	R	,,	
0	R	,,	
0	R	,,	
0	R	,,	
0	B	,,	
0	B	,,	
0	B	Clear; dew falling.	

Bombay Civil Time. 1860.	Standard Barometer.		Thermometers.			Deduced Dew-Point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer 1 Inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Scales of Volta 1.	Readings of Scales of Volta 2.	Interval of Time in seconds for the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Nov. 14th-Midnight	29·969	29.293	73°0	69°5	3°5	67°8	0.85	74°0	80°3	NW	0.0		+	2		1.05
1 a. m.	.943	.285	73.7	69·2	4.5	66.9	.81	74.8	80.2	NE b N	0·0		+	1		Above 10m.
2 „	.937	.278	73.0	69.0	4.0	67.0	.82	74.2	80.1	„	0.1					
3 „	.930	.264	72.4	69.0	3.4	67.3	.85	73.8	79.9	„	0.3					
4 „	.931	.275	71.8	68.8	3.0	66.8	.87	73.2	79·8	NNE	0.1					
5 „	.938	.294	71.4	68.0	3.4	66.3	.85	73.0	79.7	NE	0·1					
6 „	.953	.351	70.8	66.5	4.3	64.2	.81	72.5	79.7	„	0.1					
7 „	.977	.342	72.2	68.0	4.2	65.8	.81	73.4	79.6	„	0·3					
8 „	30.000	.396	75.0	68.0	7.0	64.3	.71	74.8	79.6	„	0.3					
9 „	.019	.406	77.2	69.0	8.2	64.8	.67	76.0	79.6	„	0·7					
10 „	.012	.476	79.4	67.4	12.0	60·7	.54	77.2	79.7	„	0.8					
11 „	29·994	.448	81.8	68.5	13.3	61.4	.52	79.0	79.8	„	0·3					
Noon.	.959	.420	84.5	69.2	15.3	60.9	.42	80.9	80.0	„	0·5	None.			None.	
1 p. m.	.916	.329	86.4	71.2	15.2	60.4	.48	83.0	80.2	NE b E	0·2					
2 „	.888	.459	88.4	67·2	21.2	54.1	.33	83.5	80.4	„	0.2					
3 „	.875	.217	89.4	74.0	15.4	66.9	.49	84.2	80.6	WNW	0·3					
4 „	.877	.208	86.7	73.5	13.2	67.4	.54	83.6	80·6	NW b W	0.3					
5 „	.881	.119	83.4	75.0	8.4	71.4	.68	82.0	80.7	„	0·2					
6 „	.905	.150	80.5	74.0	6.5	71.2	.74	80·3	80.7	NW	0.4					
7 „	.932	.124	79.2	75.0	4.2	73.3	.83	79.5	80.7	„	0.1					
8 „	.942	.163	78.4	74.0	4.4	72.1	.82	78.9	80.7	„	0.6					
9 „	.955	.260	76.0	71.0	5.0	68.6	.79	77.0	80.6	NW b W	0·4					
10 „	.956	.395	73.8	66.3	7.5	62·1	.68	75.2	80.5	NW	0.0					
11 „	.941	.367	71·8	66.0	5.8	62.8	.75	73.2	80.3	„	0.0					
Nov. 15th-Midnight	.928	.204	75.0	71.5	3.5	69.9	.85	75.2	80.3	NW	0.0					
1 a. m.	.912	.226	73.6	70.0	3.6	68.2	.84	74.8	80.1	„	0.0					
2 „	.899	.240	72.4	68.8	3.6	67.0	.84	73.7	80.0	NE	0.0					
3 „	.896	.255	71.6	68.0	3.6	66.1	.84	73.2	79.9	„	0.0					
4 „	.899	.269	71.4	67.6	3.8	65.6	.83	73.0	79.8	„	0.1					
5 „	.904	.286	70.7	67.0	3.7	65.0	.83	72·5	79.7	„	0.1					
6 „	.923	.315	70.2	66.5	3.7	64.5	.83	72.0	79.5	NE b E	0.1					
7 „	.950	.342	71.6	67.0	4.6	64.5	.80	73·0	79.5	„	0.3					
8 „	.966	.358	73.7	67.7	6.0	64.5	.74	74.0	79.5	ENE	0.3					
9 „	.986	.401	76.7	68.0	8.7	63.3	.65	75.3	79.5	„	0.6					
10 „	.983	.399	79.8	69.0	10.8	63.3	.59	77.2	79.6	„	0.4					
11 „	.954	.350	81·0	70·0	11.0	64.3	.59	78.3	79.6	„	0.3					
Noon.	.916	.301	83.2	71.0	12.2	64·9	.56	80.0	79·8	„	0.3	None.				
1 p. m.	.870	.261	87.0	72.0	15.0	64.6	.49	82.1	80.0	„	0.1					
2 „	.848	.175	86.6	73.6	13.0	67.6	.55	82.9	80.2	NW	0.3					
3 „	.835	.129	85.0	74.0	11.0	69.1	.60	82.4	80.4	„	0.8					
4 „	.839	.121	84.0	74.0	10.0	69.6	.63	81.7	80.4	„	1.0					
5 „	.833	.099	80.8	73·5	7.3	70.3	.72	80.3	80.5	„	0.4		+	3		4.00
6 „	.848	.078	79.2	74.0	5.2	71.8	.79	79·2	80.5	„	0.5		+	10		0.30
7 „	.868	.124	78.2	73.0	5.2	70.7	.79	78.5	80.5	„	0.4		+	10		0.20
8 „	.892	.130	76.5	73.0	3.5	71.4	.85	77.6	80.4	NW b N	0.1		+	Out of Sc.	35	0.10
9 „	.899	.150	76.0	72.5	3.5	70.9	.85	76.3	80.3	N b W	0.1		+	20	20	0.12
10 „	.894	.200	74·8	70·6	4.2	68.6	.82	75.6	80.2	N b E	0.1					
11 „	.888	.236	73.6	69.0	4.6	66.6	.80	74.6	80·1	„	0.0		+	2		Above 10m.
Nov. 16th-Midnight	.875	.165	74.6	71.0	3.6	69.3	.84	75.3	80.1	NNE	0.2		+	1		Above 10m.
1 a. m.	.857	.229	72.7	68.0	4.7	65.5	.80	74.0	80.0	„	0.1					
2 „	.848	.209	72.4	68.2	4.2	66.0	.81	73.7	79.9	„	0·0					
3 „	.846	.216	71.4	67.6	3.8	65.6	.83	73.0	79.7	„	0.0					
4 „	.848	.258	70.4	66.0	4.4	63.6	.80	72.2	79.5	„	0.0	None.			None.	
5 „	.857	.301	70.5	65.0	5.5	61.8	.76	72.0	79.5	NE	0.0					
6 „	.878	.340	70.8	64.5	6.3	60.8	.72	72.0	79.5	„	0.3					
7 „	.910	.342	71·8	65.8	6.0	62.5	.74	72.7	79.4	„	0·2					
8 „	.930	.318	74.3	68.0	6.3	64.7	.73	74.0	79.4	„	0.2					
9 „	.959	.361	76.5	68.3	8.2	64.6	.67	75.2	79.3	„	0·6					
10 „	.948	.377	79.5	68.5	11.0	62.6	.58	77.1	79.4	„	0.5					
11 „	.929	.329	81.4	70.0	11.4	64.1	.57	78.2	79.5	NE b E	0.3					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀ cirro-cumuli; ≀ cumuli; ≀ cirro-strati; ≀ cumulo-strati; and ≀ nimbi.	
0	B	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 83°1′ and 84°5.
0	C	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	R	" "	
0	R	Cloudless.	
0	R	Mist and fog in hor.	
0	R	" "	
0	B	" "	
0	B	Mist along W hor.	
0	B	" "	
0	B	Clear.	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	R	"	
0	R	"	
0	R	"	
0	R	"	
0	B	"	
0	B	"	
0	B	"	
0	B	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 82°9 and 84°4.
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	R	"	
0	R	Cloudless.	
0	R	Mist and fog in hor.	
0	R	" "	
0	B	" "	
0	B	" "	
0	B	Mist in NW hor.	
0	B	" "	
0	C	Clear.	
0	C	"	
0	C	"	
0	C	"	
0	R	"	
0	R	"	
0	R	"	
0	R	"	
0	B	Clear; dew falling.	
0	B	" "	
0	B	" "	
0	B	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 82°7 and 84°3.
0	C	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	R	"	
0	R	A few ≀ in E hor.	
0	R	Mist and fog in hor.	
0	R	" "	
0	B	" "	
0	B	" "	
0	B	Mist along W hor.	

Bombay Civil Time, 1860.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval or Time in recovering one degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Nov. 16th-Noon.	29.892	29.350	84°8	69°4	15°4	61°0	0.47	80°2	79·6	NE	0.2					
1 p. m.	.865	.452	86.3	66.0	20.3	52.9	.34	81.8	79.8	NE b E	0.2					
2 ,,	.851	.201	86.0	72.8	13.2	66.6	.54	82.1	80.0	NW b W	0.5		+	2		Above 10m.
3 ,,	.839	.225	84.6	71.4	13.2	64.8	.54	81.8	80.1	,,	0.7					
4 ,,	.843	.181	83.6	72.4	11.2	67.1	.59	81.2	80.2	,,	0.8					
5 ,,	.848	.164	80.6	72.0	8.6	67.9	.67	80.0	80.3	WNW	0.5					
6 ,,	.858	.194	78.8	71.0	7.8	67.2	.69	78.7	80.2	NW	0.5					
7 ,,	.880	.171	78.0	72.0	6.0	69.2	.76	78.0	80.1	,,	0.4					
8 ,,	.896	.178	77.2	72.0	5.2	69.6	.78	77.6	80.1	,,	0.2					
9 ,,	.906	.207	75.6	71.0	4.6	68.8	.81	76.2	80.1	NW b N	0.0		+	4		1.13
10 ,,	.916	.237	74.3	70.0	4.3	67.9	.81	75.1	80.0	NNW	0.1		+	1		Above 10m.
11 ,,	.914	.225	73.4	70.0	3.4	68.3	.85	74.8	80.0	,,	0.1					
Nov. 17th-Midnight	.907	.214	73.0	70.0	3.0	68.5	.87	74.2	79.8	NNW	0.0		+	1		Above 10m.
1 a. m.	.882	.235	72.0	68·3	3.7	66.4	.84	73.7	79.6	NNE	0.0		+	1		Above 10m.
2 ,,	.877	.210	72.3	69.0	3.3	67.3	.85	73.3	79.5	,,	0.2		+	1		Above 10m.
3 ,,	.870	.266	72·0	67.0	5.0	64.3	.78	73.1	79.4	,,	0.1					
4 ,,	.874	·267	70.6	66·6	4.0	64.5	.82	72.1	79.2	,,	0.1					
5 ,,	.885	.274	70.2	66.6	3.6	64.7	.84	72.0	79·2	NE b N	0.1					
6 ,,	.910	.323	69.8	65.7	4.1	63·4	.81	71.5	79.2	,,	0.1					
7 ,,	.939	·361	70.0	65.5	4.5	63.0	.80	71.5	79.0	NE	0.1					
8 ,,	.954	.391	72.8	66.0	6.8	62 2	.71	73.0	79.0	,,	0.2					
9 ,,	.974	.403	75.0	67.0	8.0	62.6	.67	74.2	79.0	,,	0.3					
10 ,,	.959	.380	77.3	68.0	9.3	63.0	.63	75.8	79.0	,,	0.3					
11 ,,	.934	.374	79·8	68.2	11.6	61·9	.57	77.1	79.1	NE b E	0.2					
Noon.	.893	.464	82.0	65.0	17.0	54.1	.40	78.2	79 3	,,	0.2					
1 p. m.	.859	.308	85.8	70.0	15.8	61.5	.46	81.0	79.5	NE	0·2					
2 ,,	.844	.226	86.3	72.0	14.3	65.0	.51	81.8	79·7	W	0.3					
3 ,,	·834	.163	84.7	73.0	11.7	67.5	.58	81·6	79.8	WNW	0.5					
4 ,,	.835	.214	82.6	71.0	11 6	65.2	.57	80.5	79.7	,,	0.7					
5 ,,	.847	.164	79.7	71·8	7.9	68.1	.69	79.6	79.7	NW b W	0.4					
6 ,,	.860	.242	78.3	69.5	8.8	65.0	.65	78.3	79.7	,,	0.8					
7 ,,	.875	.215	77·6	70.5	7.1	67.0	.71	77.5	79.7	NW	0·8					
8 ,,	·892	.190	77.0	71.5	5.5	68,7	.77	77.1	79.7	,,	0.8					
9 ,,	.897	.225	75·6	70·2	5.4	67.6	.77	76.2	79.6	,,	0.3		+	5	4	0.56
10 ,,	.897	.224	74.8	70.0	4.8	67.6	.79	75.3	79.5	NNW	0.1		+	1		Above 10m.
11 ,,	.890	·208	74·0	70.0	4.0	68.0	.83	74.7	79.5	,,	0·0					
Nov. 19th-Midnight	.855	.238	72.3	67.5	4.8	65.0	.79	73.1	79.0	NNE	0.0					
1 a. m.	.842	.280	70.8	65.0	5.8	61.6	.74	72.0	78·8	,,	0.0					
2 ,,	.832	.249	71.6	66.2	5.4	63.2	.76	72.5	78.7	,,	0.0					
3 ,,	.827	.266	71.2	65.4	5.8	62.1	.74	72.2	78.6	NE b N	0·1					
4 ,,	.827	.244	71.0	66.0	5.0	63.2	·78	72.2	78.5	,,	0.1					
5 ,,	.835	.209	70.0	67.0	3 0	65.4	.86	71.5	78.5	NE	0.1					
6 ,,	.855	.233	70.4	67.0	3·4	65.2	·84	71.6	78.5	,,	0.1					
7 ,,	.884	.240	71.4	68.0	3.4	66.3	·85	72.5	78.5	,,	0.2					
8 ,,	.903	.274	72.7	68.0	4.7	65.5	.80	73.5	78.5	,,	0.1					
9 ,,	.924	.284	74.7	69·0	5.7	66.1	.76	74.1	78.4	,,	0.6					
10 ,,	.919	.275	76.8	69.8	7·0	66.3	·71	75.4	78.5	,,	0.4					
11 ,,	.896	.245	80.0	71.0	9·0	66.6	.65	77.5	78.6	,,	0.2					
Noon.	.872	.232	82.0	71.3	10.7	66 1	.60	78.9	78.8	,,	0.4					
1 p. m.	.827	.143	83.5	73·0	10.5	68.1	.61	80.4	78.9	NW	0.7					
2 ,,	.801	.095	83.6	73.6	10.0	69.1	.63	81.0	79.1	,,	1.0					
3 ,,	.795	.059	83.7	74.4	9.3	70.4	.66	81.0	79.3	,,	1.5					
4 ,,	.797	.061	82.5	74.0	8.5	70.4	.68	80.6	79.5	,,	1.2					
5 ,,	.803	.109	79.4	72·0	7.4	68.6	.71	79.0	79.5	NW b N	1.0					
6 ,,	.818	.093	78.2	72.5	5.7	69.9	.77	78.0	79.5	NNW	1.0					
7 ,,	.831	.118	77.6	72.0	5.6	69.4	.77	77.6	79.5	,,	1.4					
8 ,,	.842	.216	76.0	69.0	7.0	65.4	.71	76.5	79.5	,,	0.8					
9 ,,	.852	.235	75.0	68.4	6.6	65.0	.72	75.3	79.4	,,	0.4					
10 ,,	.859	.306	73.7	66·0	7.7	61.6	.69	74.3	79.2	,,	0.2					
11 ,,	.850	.368	71.7	63.0	8.7	57.5	.63	73.0	79.0	,,	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀∩ cirro-cumuli; ∩ cumuli; ≀⌣ cirro-strati; ⌣ cumulo-strati; and ⌣ nimbi.	
0	B	Mist along W hor.	
0	C	" "	
0	C	Clear.	
0	C	"	
0	C	"	
0	R	"	
0	R	"	
0	R	"	
0	R	"	
0	B	"	
0	B	Clear; dew falling.	
0	B	" "	
0	B	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 82°5 and 84°3.
0	C	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	R	Cloudless.	
0	R	"	
0	R	Mist and fog in hor.	
0	R	" "	
0	B	" "	
0	B	" "	
0	B	Mist along W hor.	
0	B	A few ≀ and mist along W hor.	
2	C	≀ scattered from E to NNW hor.	
2	C	" "	
2	C	" "	
2	C	" "	
2	R	≀ scattered around hor.	
2	R	" "	
1	R	" "	
0	R	A few ≀ above SE hor.	
0	B	Clear, except in hor.	
0	B	Clear; dew falling.	
0	B	" "	
0	B	Clear, except in hor.	Mean daily temperature of ground 20 and 60 inches below its surface 82°4 and 84°3.
0	C	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	R	" "	
0	R	Cloudless.	
0	R	Mist and fog in hor.	
0	R	" "	
0	B	" "	
0	B	" "	
0	B	Mist along W hor.	
0	B	Mist in N hor.	
0	C	Clear.	
0	C	"	
0	C	"	
0	C	"	
0	R	"	
0	R	"	
0	R	"	
0	R	"	
0	B	"	
0	B	"	
0	B	"	

Bombay Civil Time. 1860.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet-Bulb Thermometer.	Depression of Wet-Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Nov. 20th-Midnight	29.848	29.354	70°6	63°0	7°6	58°3	0.67	72°1	79°0	NNW	0.0					
1 a. m.	.841	.297	70.5	64.6	5.9	61.2	.74	72.0	78.9	,,	0.0					
2 ,,	.827	.269	70.4	65.0	5.4	61.9	.76	71.8	78.8	,,	0.0					
3 ,,	.823	.318	69.6	63.0	6.6	58.9	.71	71.0	78.6	,,	0.2					
4 ,,	.831	.220	71.4	67.0	4.4	64.7	.81	72.4	78.5	N	0.1					
5 ,,	.832	.283	71.2	65.8	6.2	61.4	.73	72.0	78.5	NNE	0.1					
6 ,,	.854	.394	71.0	62.0	9.0	56.2	.61	72.0	78.5	N b E	0.1					
7 ,,	.883	.319	72.7	66.0	6.7	62.2	.71	73.0	78.5	,,	0.1					
8 ,,	.905	.387	74.0	65.0	9.0	59.7	.66	73.8	78.4	NNE	0.2					
9 ,,	.927	.325	76.4	68.4	8.0	64.2	.67	75.1	78.4	NE	0.6					
10 ,,	.925	.328	78.6	69.0	9.6	64.0	.63	76.9	78.5	,,	0.6					
11 ,,	.906	.342	81.6	69.0	12.6	62.2	.54	78.5	78.6	,,	0.5					
Noon.	.882	.329	85.6	70.0	15.6	61.6	.47	81.0	78.8	,,	0.2	None.				
1 p. m.	.843	.177	85.2	73.0	12.2	67.3	.56	81.8	79.0	NW b W	0.4					
2 ,,	.828	.149	85.4	73.4	12.0	67.9	.57	82.6	79.2	NW	0.6					
3 ,,	.819	.086	85.0	74.7	10.3	70.1	.63	82.2	79.3	,,	0.5					
4 ,,	.826	.066	83.5	75.0	8.5	71.4	.68	81.6	79.5	,,	0.8					
5 ,,	.831	.043	81.0	75.0	6.0	72.5	.76	80.5	79.5	,,	0.8					
6 ,,	.847	.081	79.5	74.0	5.5	71.6	.78	79.3	79.5	,,	0.7					
7 ,,	.865	.095	79.2	74.0	5.2	71.8	.79	79.0	79.5	NW b W	0.8					
8 ,,	.879	.066	78.7	75.0	3.7	73.5	.85	78.8	79.5	,,	0.6					
9 ,,	.903	.219	77.0	71.0	6.0	68.1	.75	77.3	79.5	,,	0.4					
10 ,,	.906	.233	75.5	70.2	5.3	67.6	.78	76.3	79.5	,,	0.1					
11 ,,	.904	.216	74.8	70.4	4.4	68.3	.81	75.5	79.5	,,	0.0		+	3	3	1.16
Nov. 21st-Midnight	.894	.301	73.0	67.0	6.0	63.8	.74	74.3	79.4	NW b N	0.0					
1 a. m.	.876	.239	73.8	68.6	5.2	65.9	.78	74.7	79.3	,,	0.0					
2 ,,	.864	.212	73.6	69.0	4.6	66.6	.80	75.0	79.2	NNE	0.0					
3 ,,	.864	.124	75.2	72.0	3.2	70.5	.86	75.7	79.2	NE	0.1					
4 ,,	.864	.188	74.5	70.0	4.5	67.8	.81	75.0	79.0	NE b E	0.3					
5 ,,	.874	.190	73.8	70.0	3.8	68.1	.83	74.8	79.0	,,	0.4					
6 ,,	.895	.298	72.6	67.0	5.6	64.0	.76	74.0	79.0	,,	0.1					
7 ,,	.923	.297	73.0	68.0	5.0	65.4	.78	74.0	79.0	ENE	0.1					
8 ,,	.946	.320	76.0	69.0	7.0	65.4	.71	75.5	79.0	,,	0.2					
9 ,,	.970	.318	78.5	70.5	8.0	66.6	.68	77.0	79.0	,,	0.2					
10 ,,	.969	.307	79.0	71.0	8.0	67.1	.68	77.5	79.1	,,	0.3					
11 ,,	.942	.311	81.9	71.0	10.9	65.6	.59	79.0	79.2	,,	0.2					
Noon.	.916	.328	85.6	71.0	14.6	63.5	.50	81.2	79.5	,,	0.2	None.			None.	
1 p. m.	.873	.147	86.6	75.0	11.6	69.9	.59	82.4	79.7	NW	0.4					
2 ,,	.855	.076	85.4	76.0	9.4	72.1	.66	82.2	79.8	NW b W	0.6					
3 ,,	.847	.064	85.0	76.0	9.0	72.3	.67	82.2	80.0	,,	0.4					
4 ,,	.849	.055	84.0	76.0	8.0	72.8	.70	82.0	80.0	WNW	0.5					
5 ,,	.857	.072	81.3	75.0	6.3	72.4	.75	80.6	80.1	W	0.4					
6 ,,	.872	.034	80.0	76.0	4.0	74.4	.84	80.0	80.0	WNW	0.3					
7 ,,	.896	.015	79.6	77.0	2.6	76.0	.89	79.5	80.0	NW	0.1		+	3		0.05
8 ,,	.907	.124	78.0	74.0	4.0	72.3	.83	78.6	80.1	,,	0.1					
9 ,,	.914	.228	76.8	71.0	5.8	68.2	.77	77.2	80.1	,,	0.1					
10 ,,	.914	.181	77.5	72.5	5.0	70.2	.79	77.6	80.1	NE	0.2		++	1		Above 10m.
11 ,,	.901	.144	77.0	73.0	4.0	71.2	.83	77.6	80.1	,,	0.3		++	1		Above 10m.
Nov. 22nd-Midnight	.886	.118	76.0	73.0	3.0	71.7	.87	77.0	80.0	NE	0.1					
1 a. m.	.868	.096	75.6	73.0	2.6	71.8	.89	76.8	79.9	,,	0.0					
2 ,,	.855	.109	74.6	72.0	2.6	70.8	.89	76.0	79.9	,,	0.0					
3 ,,	.848	.106	75.0	72.0	3.0	70.6	.87	76.0	79.9	,,	0.1					
4 ,,	.855	.180	74.6	70.0	4.6	67.7	.80	75.7	79.9	,,	0.3					
5 ,,	.865	.187	74.4	70.0	4.4	67.8	.81	75.3	79.7	,,	0.3	None.	None.	None.	None.	None.
6 ,,	.886	.202	73.8	70.0	3.8	68.1	.83	74.8	79.8	,,	0.1					
7 ,,	.903	.197	75.0	71.0	4.0	69.1	.83	75.5	79.7	,,	0.2					
8 ,,	.929	.231	77.4	71.5	5.9	68.7	.76	77.0	79.7	,,	0.4					
9 ,,	.949	.277	79.8	71.5	8.3	67.6	.68	78.2	79.7	,,	0.2					
10 ,,	.945	.308	81.3	71.0	10.3	65.9	.61	79.0	79.9	,,	0.2					
11 ,,	.924	.310	84.3	71.3	13.0	65.3	.53	81.0	80.0	,,	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∿ cirri; ≋ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ⌒ cumulo-strati; and ≋ nimbi.	
0	B	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 82°2 and 84°3. At 3 A. M. the Temperature of Air was 69°6, lowest in the *month*, and 4°0 lower than the Normal Mean; at 6 A. M. the reading of Wet Bulb Thermometer was 62°0, lowest in the month, and about 5°5 lower than the Normal Mean.
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	R	"	
0	R	"	
0	R	Mist and fog in hor.	
0	R	" "	
0	B	" "	
0	B	" "	
0	B	" "	
0	B	A few patches of ≋ above E hor.	
0	C	Patches of ≋ in hor. from N to SE.	
0	C	" "	
0	C	" "	
0	C	Patches of ≋ along E hor.	
1	R	≋ scattered from E to W hor.	
2	R	≋ scattered about hor.	
4	R	≋ scattered about, moving W.	
5	R	" "	
5	B	" "	
3	B	" "	
2	B	≋ scattered about hor.	
2	B	≋ scattered around hor.	Mean daily temperature of ground 20 and 60 inches below its surface 82°0 and 84°3.
3	C	" "	
2	C	" "	
2	C	" "	
1	C	≋ scattered along E hor.	
0	R	A few patches of ≋ above E hor.	
0	R	" "	
0	R	Mist and fog in hor.	
0	R	" "	
0	B	" "	
0	B	" "	
0	B	Mist along W hor.	
0	B	A few ≋ in E hor.	
1	C	Patches of ≋ scattered along E hor. and in NW.	
1	C	" " "	
1	C	Patches of ≋ scattered from N to SW hor., moving SE.	
1	C	≋ scattered about hor., moving SE.	
2	R	" "	
2	R	" "	
5	R	≋ scattered about, moving W.	
5	R	" "	
6	B	" "	
6	B	" "	
5	B	" "	
6	B	≋ scattered about, moving WNW.	Mean daily temperature of ground 20 and 60 inches below its surface 82°3 and 84°5. Temperature of Evaporation at 2 P. M. was 78°0, greatest during the month, and about 5°4 greater than the Normal Mean.
5	C	" "	
7	C	≋ scattered about, moving W.	
6	C	" "	
4	C	" "	
4	R	" "	
6	R	" "	
5	R	≋ scattered about; mist along W hor.	
2	R	≋ and fog along E hor.; mist along W hor.	
2	B	≋, mist, and fog scattered around hor.	
1	B	" "	
1	B	≋ around hor.; mist along W hor.	

Bombay Civil Time. 1860.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Nov. 22nd–Noon.	29.891	29.284	87°8	72°2	15°6	64°5	0.48	83°0	80°2	NE	0.4					
1 p. m.	.859	.058	88.8	77.5	11.3	73.0	.61	84.3	80.5	W	0.4		+	1		Above 10m.
2 „	.849	.005	86.8	78.0	8.6	74.6	.69	83.4	80.5	W b N	0.3					
3 „	.839	.106	86.0	75.0	11.0	70.2	.61	83.4	80.6	WNW	0.5					
4 „	.846	.065	83.8	75.6	8.2	72.2	.69	82.3	80.5	NW b W	0·5					
5 „	.859	.113	81.4	74.6	7.4	70.8	.71	81.0	80.7	NW	0.5	None.			None.	
6 „	.872	.080	80.6	75.0	5.6	72.7	.78	80.4	80.7	„	0.5					
7 „	.891	.055	80.2	76.0	4.2	74.3	.83	80.0	80.7	„	0.3					
8 „	.905	.069	80.2	76 0	4.2	74.3	.83	80.0	80.7	„	0.3					
9 „	.913	.068	79.7	76.0	3.7	74.7	.85	79.4	80.7	„	0.3					
10 „	.912	.159	78.0	73.5	4.5	71.1	.81	78.3	80.7	„	0.3					
11 „	.903	.159	76.5	72.5	4.0	70.7	.83	77.2	80.7	„	0.2		+	1		Above 10m.
Nov.23rd-Midnight	.895	.123	75.6	73.0	2.6	71.8	.89	76.4	80.6	NW	0.1					
1 a. m.	.874	.072	75.6	73.8	1.8	73.0	.92	76.4	80.6	„	0.0					
2 „	.866	.038	76.0	74.6	1.4	74.0	.94	77.0	80.5	„	0.0					
3 „	.867	.045	75.2	71.5	3.7	69.8	.84	76.2	80.4	NE	0.2					
4 „	.870	.195	74.6	70.0	4.6	67.7	.80	75.7	80.3	„	0.1					
5 „	.879	.177	75.4	71.0	4.4	68.9	.81	76.0	80.3	„	0.2					
6 „	.897	.195	75.4	71.0	4.4	68.9	.81	76.0	80.2	„	0.2					
7 „	.928	.200	76.3	72.0	4.3	70.0	.82	76.5	80.2	„	0.1					
8 „	.951	.252	77.6	71.6	6.0	68.8	.76	77.5	80.2	„	0.2					
9 „	.978	.286	81.6	72.6	9.0	68.5	.66	79.6	80·2	„	0.4					
10 „	.973	.317	82.8	72.0	10.8	66.8	.60	80.3	80.3	NE b E	0.3					
11 „	.958	.370	85.6	71.0	14.6	63.5	.50	82.0	80.5	„	0.2	None.	None.	None.	None.	None.
Noon.	.928	.351	87.2	71.2	16.0	62.9	.46	83.0	80.7	„	0.2					
1 p. m.	.896	.208	88.0	74.4	13.6	68.3	.54	84.0	80.9	N	0.0					
2 „	.880	.136	85.0	75.0	10.0	70.7	.64	83.1	81.1	NW b W	0.3					
3 „	.875	.147	83.0	74.0	9.0	70.0	.66	81.8	81.0	NW	0.3					
4 „	.877	.125	82.2	74.4	7.8	71.0	.70	81.1	81.0	„	0.4					
5 „	.878	.073	81.6	75.6	6.0	73.2	.77	81.0	81.0	„	0.2					
6 „	.897	.102	80.4	75.0	5.4	72.8	.78	80.1	81.0	„	0·3					
7 „	.909	.183	79.8	73.0	6.8	69.9	.73	79.8	81.0	„	1.5					
8 „	.927	.166	80.0	74.0	6.0	71.4	.76	79.8	81.0	„	0.8					
9 „	.947	.215	79.3	73.0	6.3	70.2	.75	79.0	81.0	NNW	0.6					
10 „	.955	.335	77.4	69.2	8.2	65.1	.67	78.0	80.9	N b W	0.4					
11 „	.949	.275	77.9	71.0	6.9	67.7	.72	78.2	80.9	„	0.2					
Nov.24th-Midnight	.933	.295	78.0	70.0	8.0	66.0	.68	78.2	80.8	NNE	0.5					
1 a. m.	.915	.277	76.8	69.6	7.2	66.0	.71	77.2	80.6	„	0.1					
2 „	.902	.242	76.0	70.0	6.0	67.0	.75	76.8	80.5	„	0.1					
3 „	.891	.255	75.1	69.0	6.1	65.9	.74	76.0	80.5	„	0.1					
4 „	.895	.196	75.6	71.0	4.6	68.8	.81	76.0	80.5	„	0.2					
5 „	.920	.256	75.6	70.0	5.6	67.2	.77	76.2	80.4	„	0.1					
6 „	.940	.280	76.0	70.0	6.0	67.0	.75	76.2	80.4	„	0.4					
7 „	.967	.280	75.8	71.0	4.8	68.7	.80	76.2	80.4	„	0.3					
8 „	.986	.266	77.0	72.0	5.0	69.7	.79	77.3	80.4	NE b N	0·2					
9 „	30.003	.263	79.2	73.2	6.0	70.5	.76	78.5	80.4	„	0.1					
10 „	.001	.385	80.0	70.0	10.0	64.9	.62	79.1	80.5	„	0.1					
11 „	29.992	.446	83.3	69.0	14.3	61.3	.49	80.3	80.5	„	0.3	None.			None.	
Noon.	.973	.395	86·5	71.0	15.5	63.0	.48	83.0	80.6	N	0.1					
1 p. m.	.941	.174	88.2	76.5	11.7	71.6	.59	84.4	81.0	NW b W	0.3		+	1		
2 „	.925	.140	84.8	76.0	8.8	72.4	.68	83.0	81.0	„	0.3		+	2		
3 „	.912	.113	82.9	75.8	7.1	73.0	.73	82.0	81.0	WNW	0.3		+	1		
4 „	.922	.147	82.2	75.0	7.2	72.0	.72	81.7	81.1	NW	0.2					
5 „	.925	.175	81.0	74.0	7.0	71.0	.73	80.8	81.1	„	0.4					
6 „	.944	.190	80.6	74.0	6.6	71.1	.74	80.1	81.1	„	0·6		+	1		
7 „	.956	.195	80.0	74.0	6.0	71.4	.76	79.8	80.9	„	0.5		+	1		
8 „	.970	.205	79·6	74.0	5.6	71.6	.78	79.6	80.9	NW b N	0.6		+	2		
9 „	.979	.270	78.0	72.0	6.0	69.2	.76	78.5	81.0	„	0.2		+	4		
10 „	.984	.333	76.8	70.0	6.8	66.6	.72	77.5	81.0	„	0.2		+	1		
11 „	.986	.298	76.6	71.0	5.6	68.3	.78	77.2	81.0	„	0.2					

Amount of Clouds 0—6.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ⌒ cumuli; ⌣ cirro-strati; ⌒⌣ cumulo-strati; and ≀⌣ nimbi.	
1	B	≀≀ scattered around hor.	
1	C	≀≀ scattered around hor., moving SE.	
4	C	≀≀ scattered about, moving W.	
5	C	" "	
6	C	" "	
4	R	" "	
6	R	" "	
7	R	" "	
7	R	" "	
6	B	" "	
3	B	" "	
3	B	" "	
2	B	≀≀ scattered about hor., moving W; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 82°5 and 84°6.
7	C	≀≀ scattered throughout, moving W; dew falling.	
5	C	" " "	
4	C	" " "	
4	C	" " "	
7	R	≀≀ scattered throughout, moving W; no dew.	
8	R	Overcast with ≀≀, moving W.	
8	R	Overcast; mist along W hor.	
7	R	≀≀ scattered throughout; mist along W hor.	
6	B	≀≀ scattered throughout, moving N; mist along W hor.	
6	B	Clouded as before, but no mists visible.	
7	B	" "	
7	B	" "	
8	C	Overcast with ≀≀, moving N.	
8	C	" "	
8	C	" "	
8	C	" "	
8	R	≀≀ scattered throughout, moving N.	
7	R	Clouded as before.	
7	R	" "	
8	R	" "	
6	B	" "	
7	B	" "	
8	B	" "	
5	B	≀≀ scattered about, moving N.	Mean daily temperature of ground 20 and 60 inches below its surface 82°5 and 84°6.
5	C	" "	
5	C	" "	
4	R	" "	
6	R	" "	
5	B	" "	
6	B	" "	
7	C	≀≀ scattered throughout; mist along W hor.	
8	C	Overcast with ≀≀, moving NNE; mist along W hor.	
8	R	A few ≀ above W hor.; ≀≀ scattered throughout.	
7	R	" "	
7	B	Densely clouded with ≀≀, moving NE."	
7	B	" "	
8	C	Overcast with ≀≀, moving NE.	
8	C	" "	
8	R	" "	
8	R	" "	
8	B	" "	
8	B	Overcast with ≀≀, moving NNE.	
8	C	" "	
7	C	≀≀ scattered throughout, moving NNE.	
7	R	" "	
5	R	≀≀ scattered about, moving N. "	
4	B	" "	

Bombay Civil Time. 1860.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering more than half of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Nov. 25th-Midnight	29.977	29.280	75°3	71°0	4°3	68°7	0.80	76°5	80°7	NW b N	0.2					
1 a. m.	.950	.221	76.2	72.0	4.2	70.1	.82	76.8	80.7	„	0·1					
2 „	.939	.260	75.6	70.4	5.2	67.9	.78	76.2	80.6	NNE	0·1					
3 „	.938	.274	74.4	69.0	5.4	67.2	.76	75.4	80.4	„	0·1					
4 „	.943	.350	73.0	67.0	6.0	63.8	.74	73.4	80.2	„	0.1					
5 „	.954	.339	74.0	68.0	6.0	64.9	.74	74.7	80.2	„	0.2					
6 „	.969	.354	74·0	68.0	6.0	64.9	.74	74.8	80.2	„	0.1					
7 „	30.002	.362	74.2	68.8	5.4	66.1	.77	75.0	80.1	„	0.1					
8 „	.025	.371	76.5	70.0	6.5	66.7	.73	76.4	80.2	„	0.1					
9 „	.044	.513	78.6	67.0	11.6	60.4	.55	77.2	80.2	N b E	0.3					
10 „	.044	.418	82.8	71.2	11.6	65.4	.58	80.0	80.4	NNE	0·2					
11 „	.022	.430	85.3	71.0	14.3	67.3	.50	81.2	80.5	„	0.2	None.				
Noon.	29.997	.435	88.0	71.0	17.0	62.1	.44	83·2	80.6	„	0.2					
1 p. m.	.957	.246	88.0	75.0	13.0	69.3	.55	84.2	80.9	WNW	0·4					
2 „	.942	.191	87.2	75.8	11.4	71.0	.60	84.2	81.0	NW b W	0·6					
3 „	.932	.184	86.8	75.6	11.2	70.9	.60	83·8	81.0	„	0.7					
4 „	.932	.188	85.0	75.0	10.0	70.7	.64	83.0	81.1	„	0·8					
5 „	.934	.193	81.8	74.0	7.8	70.6	.70	81.2	81.2	NW	0.7		+	2		2.00
6 „	.948	.224	80.0	73.0	7.0	69.9	.72	80.0	81.0	„	0.7		+	3	3	2.40
7 „	.962	.201	80.0	74.0	6.0	71.4	.76	79.9	81.0	„	0·3		+	4	4	4.00
8 „	.984	.271	79.3	72.5	6.8	69.3	.73	79.5	81.0	„	0·7		+	3	3	3.20
9 „	.988	.317	76.2	71.0	7.2	67.5	.71	78.6	81.0	NW b N	0.6		+	1		Above 10m.
10 „	.983	.340	76.0	69.5	6.5	66.2	.73	77.0	81.0	„	0.2		+	3		4.10
11 „	.962	.363	75.0	68.0	7.0	64.3	.71	76.0	81.0	„	0.1		+	2		Above 10m.
Nov. 27th-Midnight	.977	.235	75.0	72.0	3·0	70.6	.87	76.2	80.4	N b W	0.4		+	4		0.56
1 a. m.	.964	.206	74.2	72.2	2.0	71.3	.91	75.6	80.3	NE b N	0.0		+	4		0.42
2 „	.953	.298	73.4	69.0	4.4	66.8	.81	75.0	80.1	NE	0.4		+	7	7	1.38
3 „	.953	.327	73.0	68.0	5.0	65.4	.78	74.0	80.0	„	0.5		+	2		Above 10m.
4 „	.961	.402	73.2	66.0	7.2	62.0	.69	74.3	80.0	ENE	0.6		+	1		Above 10m.
5 „	.971	.462	73.4	64.5	8.9	59.2	.63	74.0	80.0	„	0.4		+	1		Above 10m.
6 „	.991	.502	73.8	64.0	9.8	58.0	.60	74.0	80.0	NE	0.8		+	2		Above 10m.
7 „	30·019	.523	76.0	65.0	11.0	58.4	.59	75.0	80.0	E b N	0.8		+	2		Above 10m.
8 „	.047	.555	77.5	65.4	12.1	58.1	.54	76.5	80.0	E	1.0		+	1		Above 10m.
9 „	.066	.559	80.8	67.0	13.8	59.0	.50	78.0	79.9	„	1.0		+	1		Above 10m.
10 „	.061	.519	83.6	69.0	14.6	61.0	.49	80.2	80.1	ESE	1.6		+	3		2.06
11 „	.040	.492	84.6	69.5	15.1	61.4	.48	81.5	80.2	„	2·0		+	1		Above 10m.
Noon.	.007	.434	87.0	71.0	16.0	62.7	.46	83.5	80.4	„	1.4	None.	+	2		Above 10m.
1 p. m.	29.967	·395	88.4	71.4	17.0	62.7	.44	84.1	80.5	E	0.4		+	2		Above 10m.
2 „	.937	.359	88.2	71.5	16.7	63.0	.45	84.1	80.7	„	0.3		+	2		Above 10m
3 „	.931	.442	88.4	69.0	19.4	58.0	.37	84.4	80.9	„	0.1		+	1		Above 10m.
4 „	.937	.480	86.7	67.5	19.2	55.9	.37	83.5	81.0	„	0.1		+	1		Above 10m.
5 „	.941	.409	83.0	68.5	14.5	60.5	.48	81.6	81.0	„	0.1		+	2		Above 10m.
6 „	.962	.358	81.0	70.0	11.0	64.3	.59	80.5	81.0	NW	0·3		+	1		Above 10m.
7 „	.981	.213	79.4	74.0	5.4	71.7	.78	79.8	80.9	NW b N	0.2		+	1		Above 10m.
8 „	.999	.220	78.4	74.0	4.4	72.1	.82	79.0	80.8	NNW	0.7		+	2		1.10
9 „	30.003	.236	77.8	73.5	4.3	67.5	.82	78.3	80.7	„	0.8		+	1		Above 10m.
10 „	.006	.229	77.0	73.5	3.5	72.0	.85	77.4	80.6	N b W	0.6		+	8	8	0.12
11 „	.003	.381	74.0	70.0	4.0	68.0	.83	75.2	80.5	NE b N	0.3		+	8	8	0.15
Nov. 28th-Midnight	.000	.404	73.6	67.2	6.4	63.9	.73	75.0	80.5	NE b E	0.3		+	1		Above 10m.
1 a. m.	29.991	.345	73.6	68.5	5.1	65.9	.78	74.8	80.3	„	0.5		+	7	7	0.47
2 „	.983	.365	73.2	67.8	5.4	65.0	.76	74.3	80.3	„	0.5		+	5		1.20
3 „	.976	.384	72.4	66.6	5.8	63.4	.75	73.6	80.2	ENE	0.4		+	2		4.00
4 „	.976	.436	72.0	65.0	7.0	60.9	.61	73.1	80.0	E b N	0.8					
5 „	.989	.517	72.6	63.0	9.6	56.9	.60	73.0	79.9	E	1.3	None.				
6 „	30.012	.540	72.6	63.0	9.6	56.9	.60	73.0	79.7	„	1.0					
7 „	.052	.547	72.4	64.0	8.4	58.9	.64	73.0	79.5	„	0.6		+	1		Above 10m.
8 „	.066	.590	75.0	64.0	11.0	57.2	.56	74.0	79.5	„	0.8		+	2		Above 10m.
9 „	.095	.579	78.6	66.5	12.1	59.6	.54	77.0	79.5	E b S	0.7		+	1		Above 10m.
10 „	.085	.575	80.6	67.0	13.6	59.2	.50	79.0	79.7	ESE	1·0		+	2		Above 10m.
11 „	.065	.516	83.0	69.0	14.0	61.4	.50	80.0	79.9	E b S	0·6		+	2		Above 10m.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌐i cirri; ⌐i cirro-cumuli; ⌒i cumuli; ⌣i cirro-strati; ⌒i cumulo-strati; and ⌣i nimbi.	
6	B	⌐i scattered about, moving N.	Mean daily temperature of ground 20 and 60 inches below its surface 82°5 and 84°6.
5	C	⌐i scattered about, moving NW.	
4	C	⌐i scattered about hor.	
3	C	" "	
4	C	" "	
4	R	" "	
4	R	⌐i scattered about, moving NW.	
5	R	⌐i scattered about, moving N; mist along W hor.	
6	R	" " "	
6	B	" " "	
5	B	⌐i scattered about, moving N.	
3	B	⌐i scattered about hor.	
3	B	" "	
3	C	" "	
4	C	" "	
3	C	" "	
2	C	" "	
2	R	" "	
6	R	⌐i scattered about, moving NE.	
7	R	Densely clouded with ⌐i, moving NNE.	
7	R	" "	
6	R	⌐i scattered throughout, moving NE.	
6	R	" "	
4	R	" "	
0	B	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 82°6 and 84°6.
0	C	" "	
0	C	" "	
0	C	" "	
0	C	Cloudless.	
0	R	"	
0	R	"	
0	R	Mist around hor.	
0	R	" "	
0	B	Clear.	
0	B	"	
0	B	"	
0	B	"	
0	C	⌐i scattered along E hor.	
0	C	" "	
1	C	⌐i scattered about hor. from E to SSW.	
1	C	" " "	
2	R	⌐i scattered about hor. from N to S.	
4	R	⌐i scattered here and there.	
4	R	" "	
3	R	" "	
4	B	" "	
2	B	⌐i scattered from N to SE hor; dew falling.	
1	B	⌐i scattered around hor.; dew falling.	
0	B	A few ⌐i above SE, NW, and N hor.	Mean daily temperature of ground 20 and 60 inches below its surface 82°5 and 84°6. The reading of Barometer at 9 A. M. (30·095 in.) was the highest during the month, and about 0.108 in. higher than the Normal Mean.
1	C	⌐i scattered from SE to SW hor.	
2	C	⌐i scattered around hor.	
3	C	" "	
3	C	⌐i scattered about.	
4	R	" "	
7	R	" "	
7	R	⌐i scattered throughout; mist along W hor.	
6	R	" " "	
7	B	" " "	
6	B	⌐i scattered about, moving N.	
5	B	" "	

Bombay Civil Time. 1860.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Interval of Time in seconds between flashes of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Nov. 28th-Noon.	30.029	29.520	83°5	68°0	15°5	62°5	0.46	80°6	80°0	E	0.4		+	1		
1 p. m.	.004	.530	85.2	67.5	17.7	57.0	.40	81.3	80.1	N b E	0.1		+	1		
2 „	29.972	.477	86.6	68.6	18.0	58.4	.40	82.2	80·3	NW b W	0.2		+	1		Above 10m.
3 „	.960	.434	85.0	69.0	16.0	60.1	.45	81.8	80.5	„	0.1		+	1		Above 10m.
4 „	.958	.369	83.3	70.3	13.0	63.5	.53	81.0	80.3	„	0·5		+	1		Above 10m.
5 „	.962	.346	80.0	70.0	10.0	64.9	.62	79.3	80.3	„	0.2		+	2		Above 10m.
6 „	.969	.333	78.2	70.0	8.2	65.9	.67	78.2	80.3	„	0.2	None.	+	1		Above 10m.
7 „	.987	.338	77.0	70.0	7.0	66.5	.71	77.8	80.3	„	0.2		+	1		Above 10m.
8 „	.999	.340	76.1	70.0	6.1	67.0	.75	76.6	80.2	NW	0.1		+	10	8	Instantly.
9 „	30.012	.426	73.6	67.0	6.6	63.4	.72	74.6	80.0	N b W	0.2		+	16	14	Instantly.
10 „	.012	.419	73.0	67.0	6.0	63.8	.74	74.1	79.9	N	0.4		+	8	7	0.46
11 „	.001	.408	73.0	67.0	6.0	63.8	.74	74.0	79.8	„	0.5		+	6	6	1.18
Nov.29th-Midnight	.991	.336	73.4	69.0	4.4	66.8	.80	74.2	79.6	N	0.7		+	Out of Sc.	30	0.12
1 a. m.	.979	.414	72.6	66.0	6.6	62.3	.72	73.7	79.5	„	0.3		+	12	10	1.40
2 „	.970	.397	71.8	66.0	5.8	62.8	.75	73.1	79.4	„	0·2		+	5	4	3.00
3 „	.953	.383	72.2	66.0	6.2	62.6	.73	73.1	79.4	„	0.8		+	1		Above 10m.
4 „	.959	.419	72.0	65.0	7.0	60.9	.70	73.0	79.3	„	0.6		+	2		Above 10m.
5 „	.962	.422	72.0	65.0	7.0	60.9	.70	72.1	79.3	„	0.3		+	1		Above 10m.
6 „	.976	.341	72.2	68.0	4.2	65.8	.81	72.7	79.1	„	0.8		+	3		Above 10m.
7 „	.999	.458	71.9	65.0	6.9	61.0	.70	72.5	79.0	„	0.7		+	2		Above 10m.
8 „	30.022	.440	74.0	67.0	7.0	63.2	.70	74.0	79.0	„	0·7					
9 „	.044	.471	76.6	67.6	9.0	62.7	.64	75.8	79.0	NE b E	1.0					
10 „	.041	.439	79.4	69.4	10.0	64.2	.61	77.5	79.2	ENE	0.7					
11 „	.019	.446	83.8	70.0	13.8	62.7	.51	80.2	79.4	„	1.2	None.				
Noon.	29.988	.441	86.2	70.0	16.2	61.3	.45	82.1	79.6	„	0.6					
1 p. m.	.950	.437	86.2	69.0	17.2	59.4	.42	82.3	79.8	„	0.3		+	1		Above 10m.
2 „	.932	.457	87.8	68.4	19.4	57.1	.37	83.2	80.0	„	0.2		+	1		Above 10m.
3 „	.924	.461	88.2	68.2	20.0	56.3	.36	83.5	80.2	„	0.1					
4 „	.921	.312	87.0	72.0	15.0	64.6	.49	83.5	80.4	NW b W	0.4		+	1		Above 10m.
5 „	.925	.221	81.8	73.0	8.8	69.0	.67	81.0	80.4	„	0.2		+	2		Above 10m.
6 „	.931	.186	79.4	73.4	6.0	70.7	.76	79.4	80.2	„	0.2		+	1		Above 10m.
7 „	.953	.189	78.0	73.5	4.5	71.5	.81	78.5	80.1	„	0.2		+	8		0.10
8 „	.959	.165	77.0	74.0	3.0	72.8	.87	77.7	80.1	NW	0.2		+	1		Above 10m.
9 „	.974	.263	75.2	71.2	4.0	69.3	.83	76.1	80.0	„	0.2		+	20	18	0.12
10 „	.976	.339	72.3	68.0	4.3	65.9	.81	74.0	79.8	„	0.1		+	6	5	1.06
11 „	.962	.319	71.8	68.2	3.6	66.3	.84	73.4	79.7	„	0.2		+	1		Above 10m.
Nov.30th-Midnight	.963	.367	71.3	66.5	4.8	63.9	.79	72.7	79.6	NW	0.1					
1 a. m.	.950	.338	71.8	67.2	4.6	64.7	.80	72.4	79.7	NNE	0.5		+	4	4	0.08
2 „	.942	.298	71.4	68.0	3.4	66.3	.85	72.0	79.6	„	0.4		+	2		1·12
3 „	.939	.293	71.2	68.0	3.2	66.4	.86	71.8	79.4	„	0·5		+	1		Above 10m.
4 „	.956	.337	70.6	67.0	3.6	65.1	.84	71.1	79.2	„	0.2					
5 „	.963	.371	70.2	66.0	4.2	63.7	.81	70.8	79.0	NE b N	0.5					
6 „	.989	.371	79.6	66.6	3.0	65.0	.86	71.0	79.0	NE	0.4		+	1		Above 10m.
7 „	30.013	.400	69.8	66.5	3.3	64.8	.85	71.5	78.9	„	0.3		+	1		Above 10m.
8 „	.035	.464	72.1	66.0	6.1	63.6	.73	72.4	78.7	„	0.5					
9 „	.053	.514	75.0	66.0	9.0	60.9	.63	74.1	78.7	„	0.7					
10 „	.042	.471	78.0	68.0	10.0	62.6	.61	76.2	78.9	„	0.6					
11 „	.016	.385	81.8	71.0	10.8	65.6	.60	78.3	79.1	„	0.6	None.				
Noon.	29.984	.250	84.6	74.6	10.0	70.3	.64	80.6	79.3	„	0.4					
1 p. m.	.941	.287	85.6	72.8	12.8	66.7	.55	81.2	79.5	„	0.1					
2 „	.918	.237	87.3	74.0	13.3	68.0	.54	82.0	79.7	„	0.1		+	1		Above 10m.
3 „	.906	.367	88.2	70.4	17.8	60.9	.42	82.9	79.8	„	0.2		+	1		Above 10m.
4 „	.904	.188	84.2	74.0	10.2	69.5	.63	81.8	79.7	WNW	0·1		+	1		Above 10m.
5 „	.907	.187	80.4	73.0	7.4	69.7	.71	79.7	79.9	„	0.5					
6 „	.922	.174	77.8	73.0	4.8	70.9	.80	78.0	79.8	„	0.4					
7 „	.937	.180	77.0	73.0	4.0	71.2	.83	77.7	79.8	„	0.1					
8 „	.953	.204	76.0	72.5	3.5	70.9	.85	76.6	79.7	NW	0·4					
9 „	.968	.250	75.6	71.5	4.1	69.6	.83	76.2	79.6	„	0.4					
10 „	.968	.403	73.2	66.2	7.0	62.3	.70	74.2	79.5	NNW	0.3		+	1		Above 10m.
11 „	.958	.386	72.0	66.0	6.0	62.7	.74	73.5	79.5	„	0.5					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩≀ cumuli; ⌣≀ cirro-strati; ∩⌣≀ cumulo-strati; and ⌣≀ nimbi.	
2	B	≀ scattered about, moving NNE.	
2	C	≀ scattered about hor.	
3	C	" "	
3	C	" "	
5	C	" "	
4	R	≀ scattered here and there.	
2	R	" "	
2	R	" "	
2	R	" "	
2	B	" "	
2	B	≀ scattered about hor.	
6	B	≀ scattered throughout.	
7	B	≀ scattered throughout; a lunar halo.	Mean daily temperature of ground 20 and 60 inches below its surface 82°4 and 84°5.
7	C	" " "	
7	C	≀ scattered throughout, moving E; a lunar halo.	
8	C	" " "	
7	C	" " "	
4	R	≀ scattered about, moving E.	
5	R	" "	
5	R	≀ scattered about; mist along W hor.	
4	R	" " "	
3	B	≀ scattered about, moving E; mist in W hor.	
4	B	" " "	
3	B	≀≀ along E hor.; ≀ scattered around hor.	
4	B	≀ and ≀≀ scattered about, the latter moving E.	
3	C	≀ scattered about hor.	
3	C	" "	
3	C	" "	
2	C	" "	
2	R	" "	
2	R	" "	
2	R	" "	
2	R	" "	
2	B	≀ scattered about hor; dew falling.	
1	B	≀ scattered along E hor.; dew falling.	
1	B	" " "	
0	B	A few ≀ around hor.	Mean daily temperature of ground 20 and 60 inches below its surface 82°4 and 84°4.
0	C	Clear.	
0	C	"	
0	C	"	
0	C	"	
0	R	"	
1	R	A few ≀ in E hor.	
1	R	≀ scattered along E hor.; mist and fog in hor.	
1	R	" " "	
2	B	≀ scattered along E hor.; mist along W hor.	
2	B	" " "	
1	B	≀ scattered along E hor.	
1	B	" "	
1	C	" "	
1	C	" "	
1	C	" "	
1	C	" "	
2	R	≀ scattered around hor.	
1	R	≀ scattered from E to S hor.	
0	R	Clear, except in hor.	
0	R	A few ≀ in E hor.	
0	B	" "	
0	B	" "	
0	B	" "	

Bombay Civil Time. 1860.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer 1 Inch in the Ground.	Thermometer 9 Inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the tension after discharge.
	in.	in.									lbs.	in.		Sc. div. Out of sc.	Sc. div.	m. s.
Dec. 1st-Midnight	29.947	29.302	71°3	68°0	3°3	66°3	0.85	72°3	79°3	NNW	0.1		+	Out of sc.	30	0.08
1 a. m.	.929	.277	70·6	68.0	2.6	66.6	.88	72.0	79.2	,,	0.1		+	5	5	2.00
2 ,,	.920	.314	70.0	66.4	3.6	64.4	.84	71.3	79.1	NNE	0.0					
3 ,,	.910	.280	69.6	67.0	2.6	65.6	.88	70.5	79.0	,,	0.0		+	2		
4 ,,	.911	.281	69.6	67.0	2.6	65.6	.88	70.3	78.9	,,	0.0					
5 ,,	.927	.310	69.0	66.4	2.6	65.0	.88	70.3	78.7	,,	0.0					
6 ,,	.948	.228	68.2	66.2	2.0	65.1	.91	70.0	78.5	,,	0.0					
7 ,,	.981	.344	69.0	67.0	2.0	65.9	.91	70.5	78.5	,,	0.1					
8 ,,	30.015	.369	72.2	68.2	4.0	66.4	.82	72.3	78.5	,,	0.2					
9 ,,	.034	.388	74.2	69.0	5.2	66.4	.78	73.8	78.5	,,	0.5					
10 ,,	.024	.442	77.0	68.0	9.0	63.2	.64	75.2	78·5	,,	0.4	None.				
11 ,,	29.994	.398	79.4	69.2	10.2	63.9	.60	77.2	78.6	,,	0.4					
Noon.	.954	.356	81.5	70.0	11.5	64.0	.58	78.3	78.8	,,	0.1					
1 p. m.	.909	.239	84.8	73.0	11.8	67.5	.58	80.4	78.9	,,	0.0		+	5	4	Above 10m.
2 ,,	.895	.346	87.3	70.4	16.9	61.4	.44	81.8	79.2	W b N	0.0		+	2		Above 10m.
3 ,,	.869	.203	85.2	73.0	12.2	67.3	.56	81.7	79.4	NNW	0.2		+	1		Above 10m.
4 ,,	.868	.180	83.2	73.0	0.2	68.3	.62	81.0	79.5	,,	0.4		+	1		Above 10m.
5 ,,	.883	.196	80.0	72.0	8.0	68.2	.69	80.3	79.5	,,	0.3		+	1		Above 10m.
6 ,,	.900	.225	77.8	71.0	6.8	67.7	.73	78.8	79.4	NW	0.4		+	1		Above 10m.
7 ,,	.919	.226	76.8	71.2	5.6	68.5	.77	77.1	79.3	,,	0.4					
8 ,,	.931	.200	76.0	72.0	4.0	70.2	.83	76.4	79.3	,,	0.4					
9 ,,	.932	.239	74.3	70.4	3.9	68.5	.83	.754	79.2	NNW	0.4					
10 ,,	.932	.314	72.2	67.5	4.7	65.0	.79	73.5	79.0	N	0.1					
11 ,,	.923	.308	71.0	67.0	4.0	64.9	.82	72.7	78.8	,,	0.2					
Dec. 3rd-Midnight	.899	.249	70.8	68.0	2.8	66.6	.87	72.0	78.7	NW	0.2					Above 10m.
1 a. m.	.895	.308	70·6	66.0	4.6	63.4	.79	71.5	78.6	,,	0.1		+	16	14	0.13
2 ,,	.891	.243	71.0	68.0	3.0	66.5	.86	71.5	78.5	,,	0.0		+	1		
3 ,,	.883	.214	70.7	68.5	2.2	67.4	.90	71.6	78.4	NNE	0.0					
4 ,,	.883	.231	70.6	68.0	2.6	66.6	.88	71.6	78.4	,,	0.0					
5 ,,	.890	.230	69·8	68.0	1.8	67.0	.92	71.2	78.2	,,	0.0					
6 ,,	.903	.275	69.8	67.0	2.8	65.5	.87	71.2	78.1	,,	0.2					
7 ,,	.921	.350	69.2	65.0	4.2	62.6	.81	71.0	78.1	,,	0.2					
8 ,,	.943	.348	71.4	66.5	4.9	63.9	.78	72.0	78.0	,,	0.1					
9 ,,	.945	.292	74.2	69.2	5.0	66.7	.78	73.7	78.0	,,	0.2		+	1		Above 10m.
10 ,,	.932	.261	76.6	70.5	6.1	67.5	.75	75.4	78.2	,,	0·3	None.	+	1		Above 10m.
11 ,,	.943	.311	79.4	69.4	10.0	64.2	.61	77.0	78.3	,,	0.4					
Noon.	.880	.309	82.8	69.6	13.2	62.6	.52	79.0	78.5	,,	0.1					
1 p. m.	.857	.243	86.6	72.0	14.6	64.8	.50	81.5	78.8	WNW	0.2					
2 ,,	.831	.098	86.0	75.0	11.0	70.2	.61	81.7	78.9	,,	0.1					
3 ,,	.822	.050	86.0	76.0	10.0	71.8	.64	82.1	79.0	,,	0.1					
4 ,,	.823	.061	83.4	75.0	8.4	71.0	.70	81.1	79.2	,,	0.4					
5 ,,	.827	.066	80.0	74.0	6.0	71.4	.76	79.6	79.3	,,	0.4					
6 ,,	.850	.051	78.6	74.6	4.0	73.0	.84	78.6	79.3	,,	0.3		+	1		
7 ,,	.882	.090	77.2	74·0	3.2	72.7	.87	77.7	79.2	,,	0.0		+	5	5	0.15
8 ,,	.897	.129	76.0	73.0	3.0	71.7	.87	77.6	79.0	,,	0.0					
9 ,,	.904	.144	74.4	72.3	2.1	71.4	.91	75.6	79.0	,,	0.0		+	6	6	Instantly.
10 ,,	.907	.181	73.2	71.0	2.2	69.9	.90	73.8	79·0	,,	0·0					
11 ,,	.894	.220	72.6	69.3	3.3	67.7	.85	74.0	79.0	,,	0.0					
Dec. 4th-Midnight	.890	.253	72.0	68.0	4.0	65.9	.82	73.3	79.0	WNW	0.0		+	1		Above 10m.
1 a. m.	.890	.199	73.2	70.0	3.2	68.4	.86	74.0	78.9	N b E	0.2					
2 ,,	.874	.201	71.7	69.0	2.7	67.6	.89	73.0	78.9	,,	0.0					
3 ,,	.870	.152	71.4	70.2	1.2	69.6	.94	72.8	78.7	N	0.0					
4 ,,	.871	.191	71.1	69.0	2.1	67.9	.90	72.5	78.5	,,	0.2					
5 ,,	.880	.268	70.4	67.0	3.4	65.2	.84	71.1	78.4	N b E	0.1					
6 ,,	.893	.245	71.0	68.0	3.0	66.5	.86	71.8	78.3	,,	0.3	None.			None.	
7 ,,	.913	.261	71.2	68.2	3.0	66.6	.86	72.3	78.4	NE b N	0.4					
8 ,,	.936	.327	74.0	67.8	6.2	64.6	.74	74.2	78.4	NE	0.2					
9 ,,	.952	.333	76.6	69.0	7.6	65.1	.69	75.2	78.5	,,	0.4					
10 ,,	.947	.358	78.4	68.7	9.7	63.5	.62	76.5	78.5	,,	0.2					
11 ,,	.925	.349	80.5	69.0	11.5	62.9	.57	78.0	78.7	,,	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≤ cirro-cumuli; ∩ cumuli; ≤ cirro-strati; ∩ cumulo-strati; and ≤ nimbi.	
1	B	≤ scattered along E hor.; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°2 and 84°3.
1	C	" " "	
1	C	" " "	
1	C	" " "	
0	C	A few ≤ in E hor.; dew falling.	
0	R	" "	
0	R	A few ≤ in E hor.; otherwise clear.	
0	R	A few ≤ in E hor.; mist around hor.	
0	R	" " "	
0	B	A few ≤ in E hor.; mist and fog in hor.	
0	B	" " "	
0	B	Clear.	
0	B	"	
0	C	"	
0	C	A few ≤ in E hor.	
0	C	" "	
0	C	Clear.	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	R	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°1 and 84°1.
0	B	" "	
0	B	" "	
0	B	" "	
0	B	" "	
0	C	" "	
0	C	" "	
0	C	Mist and fog in hor.	
0	C	" "	
0	R	" "	
0	R	" "	
0	R	Mist along W hor.	
0	R	" "	
0	B	Clear.	
0	B	"	
0	B	"	
0	B	"	
0	C	"	
0	C	"	
0	C	Clear; dew falling.	
0	C	" "	
0	R	" "	
0	R	" "	
0	R	" "	
0	R	Clear; dew falling copiously.	Mean daily temperature of ground 20 and 60 inches below its surface 81°1 and 84°1.
0	B	" " "	
0	B	" " "	
0	B	" " "	
0	B	" " "	
0	C	" " "	
1	C	Light ≤ scattered along E hor.; dew falling.	
1	C	Light ≤ scattered along E hor.; mist and fog in hor.	
1	C	" " "	
1	R	" " "	
1	R	" " "	
1	R	≤ along E hor.; mist along W.	

Bombay Civil Time. 1860.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet-Bulb Thermometer.	Depression of Wet-Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering some degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Dec. 4th-Noon.	29.896	29.280	84°8	71°5	13°3	64°9	0.53	80°9	79°0	NE	0.3					
1 p. m.	.873	.212	85.6	73.0	12.6	67.1	.56	81.2	79.1	WNW	0.5					
2 „	.854	.122	85.4	74.8	10.6	70.2	.62	81.8	79.3	„	0.5					
3 „	.840	.122	84.0	74.0	10.0	69.6	.63	81.1	79.4	„	0.4					
4 „	.838	.072	83.0	75.0	8.0	71.6	.70	81.0	79.5	„	0.5					
5 „	.837	.076	80.0	74.0	6.0	71.4	.76	79.5	79.5	W b N	0.4	None.	None.	None.	None.	None.
6 „	.852	.058	78.4	74.4	4.0	72.8	.83	78.5	79.5	WNW	0.3					
7 „	.881	.094	77.6	74.0	3.6	72.5	.85	77.9	79.4	NW	0.2					
8 „	.895	.101	77.0	74.0	3.0	72.8	.87	77.3	79.4	„	0.3					
9 „	.903	.100	76.2	74.0	2.2	73.1	.91	77.0	79.5	„	0.3					
10 „	.905	.210	74.4	70.5	3.9	68.6	.83	75.2	79.3	NW b N	0.2					
11 „	.904	.265	71.8	68.0	3.8	66.0	.83	74.0	79.3	NNW	0.1					
Dec. 5th-Midnight	.889	.252	72.0	68.0	4.0	65.9	.82	73.7	79.1	NNW	0.2					
1 a. m.	.890	.293	71.2	66.5	4.7	64.0	.79	73.0	78.9	„	0.0					
2 „	.890	.220	72.0	69.0	3.0	67.5	.87	73.2	78.9	NNE	0.2					
3 „	.888	.230	70.8	68.0	2.8	66.6	.92	72.2	78.8	„	0.0					
4 „	.888	.262	70.6	67.0	3.4	65.4	.85	72.2	78.6	„	0.0					
5 „	.897	.284	69.4	66.4	3.0	64.8	.86	71.3	78.5	NE b N	0.0					
6 „	.912	.298	70.0	66.6	3.4	64.8	.85	71.4	78.5	„	0.2					
7 „	.935	.316	70.6	67.0	3.6	65.1	.84	72.0	78.4	„	0.2					
8 „	.959	.337	72.8	67.8	5.0	65.2	.78	73.2	78.5	„	0.3					
9 „	.972	.344	75.8	69.0	6.8	65.5	.72	75.0	78.5	NE	0.5					
10 „	.966	.360	77.8	69.0	8.8	64.4	.65	76.0	78.5	„	0.3					
11 „	.943	.334	80.0	69.8	10.2	64.6	.61	77.5	78.6	„	0.1		+	2		Above 10m.
Noon.	.912	.406	83.8	68.0	15.8	59.0	.45	79.6	78.9	„	0.1	None.	+ +	2		Above 10m.
1 p. m.	.896	.282	87.2	72.2	15.0	64.8	.49	81.8	79.1	NW b W	0.4		+	1		Above 10m.
2 „	.881	.185	86.6	74.2	12.4	68.6	.57	82.1	79.3	NW	0.5					
3 „	.873	.195	84.7	73.2	11.5	67.8	.59	81.6	79.4	WNW	0.7					
4 „	.873	.193	82.6	72.6	10.0	67.9	.63	80.5	79.4	„	0.6					
5 „	.866	.128	80.0	73.4	6.6	70.5	.74	79.0	79.5	„	0.3					
6 „	.880	.101	77.4	74.0	4.4	72.1	.82	78.4	79.4	NW b W	0.2					
7 „	.897	.130	77.6	73.6	4.0	71.7	.83	77.8	79.3	NW	0.4					
8 „	.917	.160	77.0	73.0	4.0	71.2	.83	77.2	79.2	NW b N	0.2					
9 „	.929	.152	75.2	73.0	2.2	72.0	.90	76.8	79.3	NNW	0.2		+	4		0.20
10 „	.928	.252	73.0	69.5	3.5	67.5	.85	74.7	79.3	„	0.1		+	12	12	0.30
11 „	.916	.279	72.0	68.0	4.0	65.9	.82	74.0	79.1	„	0.1		+	1		Above 10m.
Dec. 6th-Midnight	.902	.285	70.8	67.0	3.8	65.0	.83	72.5	79.0	NNW	0.0					
1 a. m.	.902	.235	70.8	68.5	2.3	67.3	.90	72.1	78.8	„	0.0					
2 „	.884	.216	70.2	68.0	2.2	67.4	.90	71.8	78.8	„	0.0					
3 „	.876	.196	70.6	68.5	2.1	67.9	.88	72.1	78.7	„	0.0					
4 „	.876	.258	70.7	67.0	3.7	65.0	.83	72.2	78.5	NNE	0.0					
5 „	.880	.307	69.0	65.0	4.0	62.7	.82	70.4	78.3	„	0.2					
6 „	.895	.279	68.0	66.0	2.0	64.9	.91	69.7	78.2	„	0.1					
7 „	.913	.282	70.4	67.6	2.8	65.6	.87	72.1	78.3	NE b N	0.1					
8 „	.938	.245	73.0	67.0	6.0	63.8	.74	73.0	78.3	„	0.1					
9 „	.950	.296	75.0	69.5	5.5	66.7	.77	74.2	78.3	NNE	0.2					
10 „	.940	.331	77.5	69.0	8.5	64.6	.66	76.0	78.4	„	0.2					
11 „	.908	.357	79.8	68.0	11.8	61.5	.56	77.4	78.5	„	0.3	None.	+	1	None.	Above 10m.
Noon.	.863	.300	84.3	70.0	14.3	62.5	.50	79.5	78.6	„	0.1		+	2		Above 10m.
1 p. m.	.851	.276	85.5	70.6	14.9	62.8	.49	80.8	78.9	WNW	0.3					
2 „	.827	.223	84.6	71.0	13.6	64.1	.52	81.0	79.0	„	0.6					
3 „	.806	.167	85.0	72.2	12.8	66.0	.55	81.2	79.1	„	0.4					
4 „	.800	.115	83.9	73.4	10.5	68.6	.62	81.2	79.3	„	0.5					
5 „	.806	.103	80.2	72.5	7.7	69.0	.70	79.8	79.2	NW b W	0.3					
6 „	.826	.087	78.6	73.0	5.6	70.5	.77	78.5	79.2	„	0.4					
7 „	.852	.104	77.7	73.0	4.7	70.9	.81	77.8	79.1	NW	0.3					
8 „	.871	.115	77.0	73.0	4.0	71.2	.83	77.2	79.1	„	0.2					
9 „	.889	.250	74.8	69.0	5.8	66.0	.75	74.6	79.2	„	0.1					
10 „	.884	.269	74.0	68.0	6.0	64.9	.74	74.8	79.0	„	0.1					
11 „	.880	.319	73.0	66.0	7.0	62.1	.70	74.0	79.0	„	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are : ≤ cirri ; ≤≤ cirro-cumuli ; ⌒ cumuli ; ⌒≤ cirro-strati ; ⌒⌒ cumulo-strati ; and ≤⌒ nimbi.	
1	R	≤ along E hor. ; mist along W.	
1	B	≤ scattered along E hor.	
0	B	A few ≤ in SSE hor.	
0	B	" "	
1	B	≤ scattered along E hor.	
1	C	" "	
0	C	A few ≤ in E hor.	
0	C	Cloudless.	
0	C	"	
0	R	"	
0	R	Clear ; dew falling.	
0	R	" "	
0	R	Cloudless ; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°1 and 84°1.
0	B	" "	
0	B	" "	
0	B	" "	
0	B	" "	
0	C	" "	
1	C	≤ scattered along E hor. ; mist along W.	
0	C	Mist and fog in hor.	
0	C	" "	
0	R	A few ≤ in SE hor. ; mist around hor.	
0	R	" " "	
0	R	A few ≤ in SE hor. ; mist along W hor.	
0	R	" " "	
0	B	Cloudless.	
0	B	"	
0	B	"	
0	B	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	R	"	
0	R	Cloudless ; dew falling.	
0	R	" "	
0	R	Cloudless ; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°0 and 84°1. Temperature of Free Air at 6 A. M. was 68°0, lowest in the month, at 4. P. M. the Height of Barometer was 29·800, least during the month.
0	B	" "	
0	B	" "	
0	B	" "	
0	B	" "	
0	C	" "	
0	C	" "	
0	C	Mist and fog in hor.	
0	C	" "	
0	R	" "	
0	R	" "	
0	R	Mist along W hor.	
0	R	Clear.	
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	R	"	
0	R	"	
0	R	"	

Bombay Civil Time. 1860.	Standard Barometer.		Thermometers.			Deduced Dew-Point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in the recovering same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Dec. 7th-Midnight	29.870	29.343	71°8	64°5	7°3	60°2	0.69	73°0	79°0	NW	0.0					
1 a. m.	.871	.268	70.7	66.5	4.2	64.3	.81	72.1	78.9	„	0·0		+	1		Above 10m.
2 „	.854	.216	71.9	68.0	3.9	66.0	.83	72.9	78.7	„	0.0					
3 „	.848	.241	71.2	66.8	4.4	64.5	.81	72.2	78.6	NNW	0.0					
4 „	.849	.269	71.3	66.0	5.3	63.1	.77	72.3	78·5	NW b N	0.2					
5 „	.853	.277	70.8	65.7	5.1	62.9	.77	72.0	78.4	N	0·3					
6 „	.859	.276	71.0	66.0	5.0	63.2	.78	72.2	78.3	„	0.4					
7 „	.878	.276	72.2	67.0	5.2	64.2	.77	73.2	78.4	„	0·3					
8 „	.896	.276	74.5	68.3	6.2	65.1	.74	74.5	78.4	„	0.4					
9 „	.916	.305	77.4	69.0	8.4	64.7	.66	76.0	78.5	„	0·6					
10 „	.915	.297	78.9	69.7	9.2	65·0	.64	77.0	78.5	NNE	0.5					
11 „	.885	.275	82.0	70.5	11.5	64.6	.57	79.1	78.6	„	0·1		+	2		Above 10m.
Noon.	.849	.323	85.0	69.0	16.0	60.1	.45	80.8	79.0	„	0·1	None.	+	2		Above 10m.
1 p. m.	.831	.334	87.6	69.0	18.6	58.4	.39	82.3	79.1	NW	0·3					
2 „	.809	.292	88.9	70·0	18.9	59.6	.39	83.7	79.4	„	0.5					
3 „	.805	.223	88.3	71.6	16.7	63.2	.45	83·7	79.6	W	0·4					
4 „	.804	.093	84.6	74.0	10.6	69.3	.62	82.3	79·6	W b N	0.5					
5 „	.811	.096	80.8	73.0	7.8	69.5	.70	80.4	79.6	NW b N	0.4					
6 „	.826	.136	78.4	71.6	6.8	68.4	.73	78.9	79.5	NW	0·5					
7 „	.843	.180	77.6	70.6	7.0	67.2	.72	78.0	79.5	„	0.5					
8 „	.871	.153	77.2	72.0	5.2	69.6	.78	77.6	79.4	„	0.1		+	12	12	0.17
9 „	.883	.177	75.0	71.0	4.0	69.1	.83	76.0	79.5	„	0.1		+ +	6		1.00
10 „	.877	.164	74.4	71.0	3.4	69·4	.85	75.6	79.4	„	0.2		+	1		Above 10m.
11 „	.870	.218	73·6	69.0	4.6	66.6	.80	75.0	79.3	„	0.2		+	1		Above 10m.
Dec. 8th-Midnight	.866	.270	72.7	67.0	5.7	63.9	.75	74.0	79.2	NW	0.1					
1 a. m.	.861	.222	71.8	68.0	3.8	66.0	.83	73.0	79.0	„	0.0					
2 „	.849	.195	71.3	68.3	3.0	66.7	.86	72.8	78.9	„	0.0					
3 „	.850	.219	70.1	67.2	2.9	65.6	.87	72.0	78.7	„	0.0					
4 „	.850	.202	71.0	68.0	3.0	66.5	.86	72.0	78.6	N	0.1					
5 „	.856	.287	70.2	65.6	4.6	63.0	.79	71·0	78.5	NE b N	0.5					
6 „	.869	.252	70.8	67.0	3.8	65.0	.83	71.4	78.5	„	0.2					
7 „	.890	.256	72.3	68.0	4.3	65.8	.77	73·7	78.6	„	0.4					
8 „	.910	.357	75.2	66.5	8.7	61.6	.64	74.8	78.6	„	0.2					
9 „	.994	.369	76.8	67.4	9.4	62.3	.63	75.7	78.6	„	0.4					
10 „	.921	.302	79.7	70.0	9.7	65.1	.63	78.0	78.7	„	0.2		+	1		Above 10m.
11 „	.889	.350	82·4	68·5	13.9	69.0	.50	80.0	79.0	N b E	0.4					
Noon.	·860	.345	86.0	69.0	17.0	59.5	.43	82.5	79·2	„	0.6	None.	+	1		Above 10m.
1 p. m.	.841	.339	89.3	69.7	19.6	58.7	.37	84.6	79.5	„	0.4					
2 „	.821	.327	91.0	70.0	21.0	58.3	.35	85.3	79.7	N	0.2					
3 „	.817	.108	88.2	75.0	13.2	69.2	.55	85.0	79.9	NW	0.5					
4 „	.813	.059	84.8	75.2	9.6	71.1	.65	83.0	80.0	„	0.8					
5 „	.807	.042	81.4	74·5	6.9	71.6	.73	81.0	80.0	NW b W	0.6		+	2		Above 10m.
6 „	.827	.095	79.3	73.0	6.3	70.2	.75	79·5	79.9	„	0.8		+	2		Above 10m.
7 „	.856	.117	78.6	73.0	5.6	70.5	.77	79.0	79.9	„	0.4		+	10	10	0.20
8 „	.881	.204	77.6	71.0	6.6	67.8	.73	78.0	79.9	„	0.7		+	10	10	0.10
9 „	.889	.173	77.4	72.0	5.4	69.5	.78	77.8	79.9	„	0.5		+	Out of Sc.	30	1.10
10 „	.896	.169	76.4	72·0	4.4	70.0	.81	77.0	79.8	„	0.3		+	6	6	0.10
11 „	.890	.159	76.0	72.0	4.0	70.2	.83	76.8	79·8	NW	0.1		+	6	6	0.20
Dec. 10th-Midnight	.887	.171	75.4	71.4	4.0	69.5	.83	76.5	80.1	N	0.0		+	1		Above 10m.
1 a. m.	.886	.215	75.0	70.0	5.0	67.5	.79	76.0	80.1	N b E	0.1		+	1		Above 10m.
2 „	.873	.258	74.6	68.2	6.4	64.9	.73	75.4	80.0	NNE	0·2					
3 „	.862	.251	74.4	68.0	6.4	64.7	.73	75.1	79.8	„	0.4					
4 „	.864	.263	73.8	67.5	6.3	64.2	.73	74.5	79.6	„	0.6					
5 „	.858	.329	73.0	65.0	8.0	60.3	.66	74.0	79.5	„	0.6	None.			None.	
6 „	.868	.297	73.6	66.5	7.1	62.6	.70	74.7	79.5	NE	0.4					
7 „	.905	.366	75.0	66.0	9.0	60.9	.63	76.0	79.6	„	0·3					
8 „	.941	.345	77.2	68.5	8.7	63.9	.65	77.7	79.6	„	0.2					
9 „	.953	.345	79.2	69.5	9.7	64.5	.62	78.0	79.6	„	0·4		+	1		Above 10m.
10 „	.943	.341	81.2	70.0	11.2	64.1	.58	79.1	79.7	„	0.5		+ +	2		Above 10m.
11 „	.929	.354	83.6	70.0	13.6	62.8	.52	81.0	79.8	„	0.3		+	1		Above 10m.

Amount of Clouds 0—8.	Observers.	State of the Weather. Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌒i cirri; ⌒⌒i cirro-cumuli; ⌒i cumuli; ⌒⌒i cirro-strati; ⌒⌒i cumulo-strati; and ⌒⌒i nimbi.	Remarks.
0	R	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 81°0 and 84°0.
0	B	Clear; dew falling.	
0	B	" "	
0	B	" "	
0	B	Clear.	
0	C	"	
0	C	A few ⌒i in E hor.	
0	C	Mist and fog in hor.	
0	C	" "	
0	R	" "	
0	R	Mist along W hor.	
0	R	" "	
0	R	Clear.	
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	R	"	
0	R	Clear; dew falling.	
0	R	" "	
0	R	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°0 and 84°0.
0	B	" "	
0	B	" "	
0	B	" "	
0	B	" "	
0	C	" "	
0	C	" "	
0	C	Mist and fog in hor.	
0	C	" "	
0	R	" "	
0	R	Mist along W hor.	
0	R	" "	
0	R	Clear.	
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	R	"	
0	R	"	
0	R	"	
0	R	"	
0	R	"	
0	R	Clear; dew falling.	
0	R	" "	
0	R	Clear; dew falling copiously.	Mean daily temperature of ground 20 and 60 inches below its surface 81°1 and 84°0.
0	B	" "	
0	B	Cloudless.	
0	B	"	
0	B	"	
0	C	"	
0	C	A few ⌒i from NE to S hor.	
0	C	A few ⌒i along E hor.; mist and fog in hor.	
0	C	" " "	
0	R	A few ⌒i along E hor.; mist in W hor.	
0	R	" " "	
0	R	" " "	

Bombay Civil Time. 1860.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time between the discharge of the tension and the discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Dec. 10th-Noon.	29.909	29.294	86°5	72°0	14°5	64°9	0.50	82°6	80·0	NE	0.1		+	2		Above 10m.
1 p. m.	.889	.336	88.8	71.0	17.8	61.6	.42	84.0	80.2	„	0.1		+	1		Above 10m.
2 „	.869	.218	91.4	74.4	17.0	66.6	.45	85.3	80.5	SW	0.1		+	4		2.36
3 „	.861	.122	89.0	76.0	13.0	70.5	.56	85.0	80.6	WNW	0.5		+	2		Above 10m.
4 „	.863	.113	84.0	75.0	9.0	71.2	.67	82.8	80.6	NW b W	0.6					
5 „	.869	.081	81.0	75.0	6.0	72.5	.76	80.1	80.7	NW	0.4					
6 „	.881	.124	78.7	73.8	4.9	71.2	.80	79.0	80.6	NNW	0.4					
7 „	.900	.152	77.8	73.0	4.8	70.9	.80	78.5	80.4	NW b N	0.5					
8 „	.914	.164	77.6	73.0	4.6	71.0	.81	78.2	80.4	„	0·6					
9 „	.930	.180	77.6	73.0	4.6	71.0	.81	78.0	80.5	NNW	0·8					
10 „	.931	.174	77.0	73.0	4.0	71.2	.83	77.6	80.5	N b W	0.5					
11 „	.931	.163	76.0	73.0	3.0	71.7	.87	77.0	80.3	„	0.1					
Dec. 11th-Midnight	.921	.237	73.8	70.0	3.8	68.1	.83	75.5	80.2	N b W	0.0					
1 a. m.	.921	.182	74.6	71·8	2.8	70.5	.88	76.0	80.2	ENE	0.2					
2 „	.908	.273	73.4	68.4	5.0	65.8	.78	75.0	80.1	„	0.0					
3 „	.897	.271	73·0	68.0	5.0	65.4	.78	74.1	80,0	„	0.1					
4 „	.897	·236	72.8	69.0	3.8	67.1	.83	74.0	79.8	„	0.2					
5 „	.894	.283	71.4	67.0	4.4	64.7	.80	72.2	79·6	„	0.1					
6 „	.906	.298	71.6	67.0	4.6	64·5	.79	72.3	79.6	„	0.1					
7 „	.926	·330	72.7	67·0	5.7	63.9	.75	73.8	79.6	„	0.1					
8 „	.950	.313	75.0	69.0	6.0	65·9	.75	75.1	79.6	„	0.2					
9 „	.958	.309	77.0	70.0	7.0	66.5	.71	76.1	79.5	„	0.4					
10 „	.961	.393	78.8	68.2	10.6	62.5	.59	77.3	79.5	„	0.4					
11 „	.940	.332	81·7	70.0	11.7	64·5	.57	79.0	79.7	„	0.2					
Noon.	·910	·418	84.8	67.3	17.5	56.9	.41	80.7	79.8	„	0.1					
1 p. m.	·896	.302	83.4	72.0	16.4	63.8	.45	82.1	80.0	NW b W	0·1					
2 „	·874	.217	86.0	73.0	13.0	66.9	.54	82.5	80·1	„	0.6					
3 „	·864	.158	85.0	74.0	11.0	69.1	.60	82·0	80.3	W b N	0.3					
4 „	·864	.137	83.1	74.0	9.1	70.0	.65	81.2	80.3	WNW	0.4					
5 „	·865	.157	80.0	72·6	7.4	69.3	.71	79.8	80.3	„	0.2					
6 „	·878	.139	78.6	73.0	5.6	70.5	.77	79.5	80.2	NW b W	0.2					
7 „	·900	.150	77·6	73.0	4.6	71.0	.81	79.0	80.1	NW	0·3		+	1		Above 10m.
8 „	·912	.176	76.6	72.3	4.3	70.4	.82	77.9	80.0	NNW	0.1		+	1		Above 10m.
9 „	·930	.199	76.0	72·0	4.0	70.2	.83	77.0	80.0	NW b N	0.1					
10 „	·933	.251	74.0	70.0	4.0	68.0	.83	75.5	80.0	„	0.1		+	3		2.00
11 „	·917	·324	73·0	67.0	6.0	63.8	.74	74.5	80.0	„	0·1		+	1		Above 10m.
Dec. 12th-Midnight	.904	.220	73.8	70.0	3.8	68.1	.83	74.7	79.9	NW b N	0.0		+	1		Above 10m.
1 a. m.	.902	.206	74.0	70.4	3.6	68.6	.84	75.0	79·7	NNE	0.0					
2 „	.898	.185	72.8	70.5	2.3	69.4	.90	74.1	79.7	N b E	0.0					
3 „	.890	.229	72.3	69.0	3.8	67.1	.83	74.1	79.6	„	0·0					
4 „	.890	.248	72.5	68.3	4.2	66.2	·82	73.9	79.5	NNE	0.2					
5 „	.882	.245	72.0	68.0	4.0	65.9	.82	73.2	79.4	„	0.2					
6 „	.892	.270	71.3	67.3	4·0	65.2	·82	72.5	79.3	„	0.1					
7 „	.916	.259	71.7	68.5	3.2	66.9	·86	73.5	79.2	„	0.1					
8 „	.938	.306	74.2	68.6	5.6	65.7	.76	74.6	79.3	„	0.0					
9 „	.950	.306	76.3	69·7	6.8	66.3	.72	75.7	79.3	„	0.2					
10 „	.945	.301	79.0	70.5	8.5	66.3	·67	77.4	79.4	„	0.2		+	1		Above 10m.
11 „	.930	.289	80.0	70.7	9·3	66.1	.64	78.0	79.5	„	0.1		+	2		Above 10m.
Noon.	.891	.357	82.6	68.4	14.2	60.6	.49	79.3	79.5	„	0.1		+	2		Above 10m.
1 p. m.	.883	.291	86.6	71·4	15.2	63.7	.48	81.2	79.7	WNW	0.2		+	1		Above 10m.
2 „	.863	.283	86.4	71.0	15.4	63.1	.47	81.9	80,0	„	0.2					
3 „	.853	.265	85.6	71.0	14.6	63.5	.50	81.9	80.0	W b S	0.1					
4 „	.853	.208	83.8	72.0	11.8	66.3	.57	81.3	80.1	W	0.2					
5 „	.848	.197	80.0	71·0	9.0	66.6	.65	79.7	80.0	WNW	0.1					
6 „	.860	.165	78.6	71.8	6.8	68.6	.72	78.7	80.0	„	0.2					
7 „	.875	.129	78.0	73.0	5.0	70.8	.80	78.1	80.0	„	0.1					
8 „	.889	.136	77.4	73.0	4.4	71.1	.82	77.9	80.0	„	0.0					
9 „	.895	.138	77.0	73.0	4.0	71.2	.83	77.5	80.0	„	0.0					
10 „	.895	.135	75.7	72·7	3.0	71.4	.87	76.4	80.0	„	0.0					
11 „	.887	.124	74.8	72.5	2.3	71.5	.90	75.5	79.9	„	0.0					

Rain: By Newman's Gauge — None. (Dec. 10th-Noon to Dec. 11th-Midnight); None. (Dec. 11th-Midnight to Dec. 12th-Midnight); None. (Dec. 12th-Midnight to end).

Electrical Instruments: Straws of Volta 2 — None. (Dec. 10th-Noon to Dec. 11th-Midnight); None. (Dec. 11th-Midnight to Dec. 12th-Midnight); None. (Dec. 12th-Midnight to end).

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≤ *cirri*; ≤≤ *cirro-cumuli*; ∩ *cumuli*; ∪ *cirro-struti*; ∩∪ *cumulo-strati*; and ∩∪∩ *nimbi*.	
0	R	≤ scattered from NE to SSW hor.	
0	B	A few ≤ in NE hor.	
0	B	Clear.	
0	B	"	
0	B	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	R	"	
0	R	"	
0	R	Clear; dew falling.	
0	R	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°2 and 84°0.
0	B	" "	
0	B	Cloudless.	
0	B	"	
0	B	Cloudless; dew falling.	
0	C	" "	
0	C	A few ≤ from NE to S hor.	
0	C	Mist and fog in hor.	
0	C	" "	
0	R	" "	
0	R	Mist along W hor.	
0	R	Cloudless.	
0	R	A few ≤ above E hor.	
0	B	" "	
1	B	Light ≤ scattered along E hor.	
1	B	" "	
2	B	Light ≤ scattered about hor.	
2	C	" "	
2	C	" "	
2	C	" "	
2	C	" "	
0	R	Cloudless.	
0	R	"	
0	R	"	
0	R	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°2 and 84°0.
0	B	" "	
0	B	" "	
0	B	" "	
0	B	" "	
0	C	" "	
0	C	Light ≤ scattered here and there.	
1	C	Light ≤ scattered about; mist and fog in hor.	
1	C	Light ≤ scattered about; mist in hor.	
1	R	" "	
1	R	" "	
0	R	A few ≤ in E hor. mist in W hor.	
0	R	" "	
0	B	Cloudless.	
0	B	"	
0	B	"	
0	B	"	
0	C	"	
0	C	A few ≤ in W hor.	
0	C	Cloudless.	
0	C	"	
0	R	"	
0	R	Cloudless; dew falling.	
0	R	" "	

Bombay Civil Time. 1860.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet-Bulb Thermometer.	Thermometers. Depression of Wet-bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Dec. 13th-Midnight	29.873	29.096	75°2	73°0	2°2	72°0	0.90	76°1	79°8	WNW	0.2					
1 a. m.	.873	.098	75.4	73.0	2.4	72.0	.90	76.2	79.8	NNE	0.0					
2 „	.864	.123	75.1	72.0	3.1	70.6	.87	76.0	79.6	„	0.0					
3 „	.852	.142	76.4	71.0	3·6	69.3	.84	75.5	79.6	„	0.0					
4 „	.856	.158	74.1	70.5	3.6	68.7	.84	75.1	79.6	„	0.0					
5 „	.846	.129	74.0	71.0	3.0	69.6	.87	75.0	79.6	„	0.0					
6 „	.863	.119	74.2	71.8	2.4	70.7	.90	75.1	79.5	N	0.0					
7 „	.889	.140	74.4	72.0	2.4	70.9	.90	75.6	79.5	N b W	0.0					
8 „	.912	.195	76.3	71.7	4.6	69.7	.81	76.3	79.6	„	0.2					
9 „	.926	.311	77.0	69.0	8.0	64.9	.68	76.5	79.6	NNW	0.6					
10 „	.922	.295	79.0	70 0	9.0	65.4	.65	77.4	79.6	NW b N	0.8		+	1		Above 10m.
11 „	.904	.255	80.2	71.0	9.2	66.5	.64	78.5	79.7	„	1.0	None.	+	1		Above 10m.
Noon.	.883	.240	80.7	71.0	9.7	66.2	.63	78.8	79.8	NW	1.0		+	1		Above 10m.
1 p. m.	.872	.297	81.2	69.2	12.0	62 8	.55	79.0	79.8	„	1.0					
2 „	.853	.263	81.8	70.0	11.8	63 9	.56	79.5	79.9	„	1.5					
3 „	.844	.252	80.8	69.4	11.4	63.7	.57	79.1	79.9	„	1·5					
4 „	.847	.274	79.6	68.6	11.0	62·7	.58	78.2	79.9	„	1.3					
5 „	.848	.247	76.5	68.4	8.1	64·2	.67	77.0	79.7	„	0.8					
6 „	.864	.264	75.4	68.0	7.4	64 1	.69	75.9	79.5	NW b N	1.2					
7 „	.892	.288	75.0	68.0	7.0	64.3	.71	75.4	79.5	„	0·8					
8 „	.906	.302	75.0	68.0	7.0	64.3	.71	75.3	79.5	„	0·4					
9 „	.910	.293	73.8	68.0	5.8	65.0	.75	74.5	79.5	NNW	0.5		+	8	6	Above 10m.
10 „	.910	.349	73.0	66 0	7.0	62.1	.70	73.9	79.4	„	0·2		+	2		Above 10m.
11 „	.898	.341	73.4	66.0	7.4	61.9	.69	74.0	79.3	„	0.1					
Dec. 14th-Midnight	.890	.335	72.4	65.6	6.8	61.8	.71	73.3	79.2	NNW	0.1		+	2		Above 10m.
1 a. m.	.890	.330	72.0	65.6	6.4	62.0	.72	73.0	79 1	„	0.0					
2 „	.890	.346	72.2	65.2	7.0	61.2	.70	73.1	79.0	„	0.0					
3 „	.886	.288	72·5	67.0	5·5	64.0	.76	73.1	78.9	„	0·0					
4 „	.884	.275	71.8	67.1	4.7	64 6	.80	72.8	78.7	N b W	0.0					
5 „	.885	.298	70.6	66.0	4.6	63.4	.79	71.5	78.5	„	0.2					
6 „	.898	.313	70.8	66.0	4.8	63.3	.79	72.0	78.5	„	0.0					
7 „	.905	.268	72 0	68.0	4.0	65.9	.82	72.8	78.5	„	0.0					
8 „	.929	.309	73.5	68.0	5.5	65.1	.76	73.9	78.5	NNE	0.0					
9 „	.938	.301	75.0	69.0	6.0	65 9	.75	74.5	78.5	NE	0.2					
10 „	.929	.258	78.2	71 0	7.2	67.5	.71	76.4	78.6	„	0.2					
11 „	.905	.260	79.2	70.6	8.6	66.3	.66	77.5	78.7	„	0.1	None.			None.	
Noon.	.874	.245	80.4	70.5	9.9	65.5	.62	78.0	78.9	NW	0.6					
1 p. m.	.851	.247	81.0	70.0	11.0	64.3	.59	78.3	79.0	NW b W	0.5					
2 „	.834	.230	81.0	70.0	11.0	64.3	.59	78.6	79.1	„	0.8					
3 „	.828	.184	80.6	71.0	9.6	66.3	.63	78.5	79.2	„	0.8					
4 „	.827	.190	79.4	70.4	9.0	65.9	.65	78.1	79.2	NW	0.8					
5 „	.828	.179	77.0	70.0	9.0	65.5	.71	77.0	79.1	„	0.5					
6 „	.844	.192	75 6	69.5	6.1	66.6	.75	76.0	79.0	„	0.3					
7 „	.866	.197	75.2	70.0	5.2	67.4	.78	75.9	79.0	„	0.2					
8 „	.888	.217	75.0	70.0	5.0	67.5	.79	75.4	79.0	„	0.1					
9 „	.902	.191	74.5	71.0	3.5	69.3	.85	75.0	79.0	„	0.1					
10 „	.910	.221	73.4	70.0	3.4	68.3	.91	74.5	79.0	„	0.2		+	2		Above 10m.
11 „	.909	.181	73.0	71.0	2.0	70.0	.91	74.1	78.9	„	0.2		+	1		Above 10m.
Dec. 15th-Midnight	.901	.206	72.8	70.0	2.8	68.6	.88	74.0	78.8	NW	0.1		+	1		Above 10m.
1 a. m.	.902	.234	72.8	69.2	3.6	67.4	.84	74.0	78.8	NW b N	0.1					
2 „	.902	.234	72.8	69.2	3.6	67.4	.84	73.8	78.7	NNW	0.1					
3 „	.895	.236	73.0	69.0	4.0	67.0	.82	73.6	78.6	N b W	0.1					
4 „	.905	.228	73.2	69.6	3.6	67.8	.84	73.9	78.6	„	0.0					
5 „	.905	.239	72.4	69.0	3.4	67.3	.85	73.6	78.5	N b E	0.0	None.			None.	
6 „	.916	.239	71.4	69.0	2.4	67.8	.89	72.1	78.5	„	0.0					
7 „	.938	.238	72.4	70.0	2.4	68.8	.89	74.2	78.7	„	0.0					
8 „	.955	.331	74.4	68.4	6.0	65.3	.83	74.9	78.8	„	0.0					
9 „	.973	.338	76.8	69.5	7.3	65.8	.70	75.6	78.6	NE b N	0.0					
10 „	.973	.346	79.0	70.0	9.0	65.4	.65	77.0	78.7	„	0.2					
11 „	.962	.249	81.0	73.0	8.0	69.4	.69	78.5	78.9	„	0.3					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≤≤ cirro-cumuli; ⌒≤ cumuli; ⌒≤ cirro-strati; ⌒≤ cumulo-strati; and ⌒≤ nimbi.	
1	R	≤ scattered along E hor.; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°3 and 83°9.
5	B	≤ scattered about.	
7	B	≤ scattered throughout.	
7	B	" "	
6	B	" "	
6	C	" "	
6	C	" "	
6	C	" "	
4	C	≤≤ along W hor., moving E; ≤ scattered here and there.	
4	C		
4	R	" " "	
2	R	" " "	
2	R	" " "	
0	R	A few patches of ≤≤ in E and N hor.	
0	R	A few ≤ in E hor. and in S.	
0	B	Cloudless.	
0	B	A few ≤≤ above S and WSW hor.	
1	B	≤≤ scattered about hor.	
1	B	" "	
1	C	" "	
2	C	" "	
2	C	" "	
4	C	" "	
7	R	≤ and ≤≤ scattered throughout, the latter moving E.	
8	R	Overcast with ≤≤; lightning in NNW observed at 10h. 18m.	
6	R	≤≤ scattered about, moving E.	
4	R	≤≤ scattered about, moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 81°2 and 83°7.
4	B		
6	B	" "	
3	B	" "	
3	B	≤≤ scattered about hor.	
4	C	" "	
7	C	" "	
8	C	≤≤ scattered throughout, moving ENE.	
8	C	≤≤ scattered throughout, moving NE.	
7	R	" "	
4	R	" "	
1	R	≤≤ scattered about, moving NE.	
0	R	≤≤ scattered here and there.	
0	B	A few patches of ≤≤ in E hor.	
0	B	" "	
0	B	" "	
0	B	" "	
1	C	" "	
1	C	A few ≤≤ in E, above hor.; ≤ scattered here and there.	
0	C	" " "	
0	C	Cloudless, except in hor.	
0	R	" "	
1	R	" "	
1	R	≤ scattered here and there.	
2	R	≤ scattered along E hor.; dew falling.	
5	B	≤ scattered about; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°1 and 83°6.
6	B	≤≤ scattered about.	
6	B	" "	
3	B	" "	
2	C	≤≤ scattered about hor.	
2	C	≤≤ scattered about hor.; dew falling.	
2	C	A few patches of ≤≤ in E hor.; ≤ scattered here and there.	
2	C	≤ scattered here and there; mist and fog in hor.	
3	C	" " "	
6	R	A few ≤ along E hor.; ≤≤ scattered throughout; mist around hor.	
3	R	≤ scattered about.	
2	R	" "	

Bombay Civil Time. 1860.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 9 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Dec. 15th–Noon.	29.930	29.299	81°8	71°0	10°8	65°6	0.60	79°0	79°0	NW b N	0.4					
1 p. m.	.912	.284	82.0	71.0	11.0	65.5	.59	79.2	79.1	NW	0.7					
2 „	.890	.266	83.0	71.2	11.8	65.3	.59	79.6	79.2	„	0.7					
3 „	.879	.224	82.9	72.0	10.9	66.8	.60	80.3	79.4	„	0.8					
4 „	.875	.215	81.8	71.8	10.0	67.0	.62	80.0	79.4	NW b N	0·7					
5 „	.874	.176	79.0	72.0	7.0	68.7	.72	78.5	79.5	NNW	0.5	None.	None.	None.	None.	None.
6 „	.884	.153	77.7	72.5	5.2	70.2	.79	77.5	79.4	„	0.4					
7 „	.917	.174	77.0	72.6	4.4	70.7	.82	77.0	79.4	„	0.2					
8 „	.935	.210	76.5	72 0	4 5	69.8	.81	76.5	79.3	„	0.2					
9 „	.939	.210	76.2	72.0	4.2	70.1	.82	76.4	79.3	„	0.1					
10 „	.947	.272	74.6	70.0	4.6	67.7	.80	75.2	79.2	„	0.0					
11 „	.934	.206	74.7	71.5	3.2	70.0	.86	75.0	79.2	„	0.0					
Dec. 17th–Midnight	.911	.137	76.1	74.0	2.1	73.1	.91	76.5	80.0	N b W	0.0		+	1		Above 10m.
1 a. m.	.940	.196	75 5	72.2	3.3	70.7	.86	76.2	80.0	„	0.0					
2 „	.934	.192	75.0	72.0	3.0	70.6	.87	75.9	79.9	NNE	0.0					
3 „	.921	.193	74.0	71.3	2.7	70.0	.88	75.2	79.7	„	0.0		+	2		Above 10m.
4 „	.917	.190	74.4	71.4	3.0	70.0	.87	75.2	79.7	NE	0.0		+	1		Above 10m.
5 „	.907	.188	73.8	71.0	2.8	69.7	.88	75.0	79.6	„	0.0		+	1		Above 10m.
6 „	.924	.267	72.6	68.8	3.8	66.9	.83	74.0	79.5	„	0.0					
7 „	.946	.201	74.7	72.0	2.7	70.7	.88	76.0	79.6	„	0.1					
8 „	.969	.267	75.4	71.0	4.4	68.9	.81	76.2	79.6	„	0.1		+	1		Above 10m.
9 „	.984	.270	77.5	72.0	5.5	69.3	.77	76.7	79.6	„	0.1		+	1		Above 10m.
10 „	.979	.278	80.0	72.4	7.6	68.9	.70	78.0	79.6	„	0.1					
11 „	.960	.230	82.8	74.0	8.8	70.1	.67	80.0	79.8	N b E	0.1	None.	+	5	4	Above 10m.
Noon.	.928	.145	85.0	76.0	9.0	72.3	.67	81.0	80.0	NW b W	0.3					
1 p. m.	.912	.116	83.8	76.0	7.8	72.8	.71	81.0	80.0	NNW	0.1					
2 „	.891	.207	85.6	73.6	12.0	68.1	.57	81.9	80.3	„	0.3					
3 „	.872	.166	85.0	74.0	11.0	69.1	.60	81.9	80.4	„	0.2					
4 „	.872	.165	83.6	73.6	10.0	69.1	.63	81.6	80.4	N b W	0.2					
5 „	.869	.113	81.2	74.5	6.7	71.2	.74	80.5	80.5	„	0.1		+	5	4	1.34
6 „	.879	.076	79.6	75.0	4.6	73 1	.81	79.7	80.4	„	0·1		+	2		5.00
7 „	.898	.088	79.0	75.0	4.0	73.3	.84	79.1	80.3	„	0.0		+	3		1.12
8 „	.918	.100	78.3	75.0	3.3	73.6	.86	78.6	80.1	„	0.0		+	2		Above 10m.
9 „	.923	.099	77 7	75.0	2.7	73.9	.89	78.0	80.0	„	0.0		+	4		0.10
10 „	.924	.123	76.4	74.0	2.4	73.0	.90	77.0	80.2	„	0.0		+	2		0.10
11 „	.907	.149	75.6	72.6	3.0	71.3	.87	76.5	80.2	N	0.0		+	1		0.15
Dec. 18th–Midnight	.896	.136	75.0	72.5	2.5	71.4	.89	75.7	80.1	N b E	0.0		+	2		0.20
1 a. m.	.896	.138	75 2	72.5	2.7	71.3	.88	76.0	80.1	NE b E	0.0					
2 „	.896	.123	74.8	72.8	2.0	71.9	.91	75.9	80.0	E b N	0.1					
3 „	.889	.180	74.7	71.0	3.7	69.2	.84	75.5	80.0	E	0.0					
4 „	.890	.173	74.0	71.0	3.0	69.6	.87	75.2	80.0	„	0.1					
5 „	.896	.162	73.4	71.0	2.4	69.9	.90	74.8	79.9	„	0.0					
6 „	.896	.168	73.0	71.0	2.0	70 0	.91	74.6	79.9	„	0.0					
7 „	.919	.195	74.0	71.2	2.8	69.9	.88	75.6	79.8	„	0.0					
8 „	.939	.177	76.5	73.0	3.5	71.4	.85	76.6	79.8	„	0·1					
9 „	.963	.223	78.5	73.0	5.5	70 5	.78	77.3	79.9	„	0.1					
10 „	.950	.212	78.7	73.0	5.7	70.5	.77	78.0	79.9	„	0.1					
11 „	.934	.190	80.5	73.7	6.8	70.7	.73	79.0	80.0	„	0.1	None.			None.	
Noon.	.89.0	.118	83·4	75.5	7.9	72.2	.70	80.5	80.0	„	0.1					
1 p. m.	.881	.180	83 4	73.4	10 0	68.9	.63	80.5	80.1	WNW	0.2					
2 „	.874	.130	85.0	75.0	10.0	70.7	.64	81.6	80.3	W b N	0.1					
3 „	.874	.147	83.7	74.2	9.5	70.0	.65	81.3	80.4	WNW	0.5					
4 „	.872	.095	82.0	75.0	7.0	72.0	.73	80.8	80 5	„	0.4					
5 „	.881	.090	79.7	74.7	5.0	72.6	.80	79.6	80.4	„	0.7					
6 „	.897	.100	78.8	74.6	4.2	72 9	.83	79.0	80.4	NW b W	1·0					
7 „	.936	.103	78.2	74.6	3.6	73.1	.85	78.6	80.4	NW	0.5					
8 „	.949	.166	78·0	74.0	4.0	72.3	.83	78.2	80.4	NNW	0.4					
9 „	.953	.165	77.5	74.0	3 5	72.5	.85	77.8	80.4	N b E	0.4					
10 „	.944	.187	77.0	73.0	4.0	71.2	.83	77.2	80.4	NNE	0.5					
11 „	.928	.206	76.8	72.0	4.8	69.8	.80	76.7	80.2	„	1.0					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ⌒ cumuli; ⌒≀ cirro-strati; ⌒⌒ cumulo-strati; and ≀≀ nimbi.	
2	R	≀≀ along E hor.; ≀ scattered along W hor.	
1	B	" " "	
1	B	" " "	
1	B	" " "	
1	B	≀≀ scattered along E hor.	
0	C	A few ≀ along E hor.	
2	C	≀ scattered around hor.	
0	C	Cloudless.	
0	C	"	
0	R	"	
0	R	"	
1	R	≀ scattered along E hor.	
0	R	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°1 and 83°6. Temperature of Evaporation at 1 P. M. was (76°0) highest in the month, and about 4°1 higher than the Normal Mean.
0	B	" "	
0	B	" "	
0	B	" "	
0	B	" "	
0	C	" "	
5	C	A few ≀≀ in W; ≀ scattered about; mist and fog in hor.	
5	C	≀ scattered about; mist and fog in hor.	
4	C	≀ and ≀≀ scattered about; haze and mist in hor.	
4	R	" " "	
4	R	≀, ≀≀, and mist around hor.	
4	R	" "	
3	R	≀ and ≀≀ scattered around hor.	
1	B	≀≀ scattered along E hor.	
1	B	" "	
1	B	" "	
1	B	" "	
1	C	" "	
0	C	Cloudless.	
0	C	Cloudless; dew falling.	
0	C	" "	
0	R	" "	
0	R	" "	
0	R	" "	
0	R	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°2 and 83°6.
0	B	" "	
0	B	A few patches of clouds about E hor.; dew falling.	
0	B	Clouds in hor. as before.	
0	B	" "	
0	C	" "	
0	C	" "	
6	C	≀≀ scattered throughout; mist and fog in hor.	
7	C	≀≀ scattered throughout, moving ENE; mist and fog in hor.	
7	R	" "	
6	R	≀≀ scattered about, moving NE.	
6	R	" "	
7	R	" "	
7	B	" "	
7	B	" "	
6	B	⌒≀ along E hor.; ≀≀ scattered about, moving NE.	
6	B	" " "	
7	C	" " "	
6	C	⌒≀ along E hor.; ≀≀ scattered about, moving ENE; lightning in E hor.	
7	C	≀≀ scattered throughout, moving NE; lightning in ENE hor.	
8	C	Overcast with ≀≀, moving NE.	
8	R	" "	
8	R	" "	
8	R	" "	

Bombay Civil Time. 1860.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet-Bulb Thermometer.	Depression of Wet-Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Dec. 19th-Midnight	29.905	29.216	76°5	71°0	5°5	68°3	0.77	77°0	80°3	NE	1.5					
1 a. m.	.893	.210	77.1	71.0	6.1	68.1	.75	77.1	80.3	,,	0·2					
2 ,,	.885	.202	77.1	71.0	6.1	68.1	.75	77.1	80.3	,,	0·5					
3 ,,	·884	.247	76.3	69.4	6.9	65.9	.72	76.4	80.2	N	0·2					
4 ,,	.885	.256	75.7	69.0	6.7	65.5	.72	76.1	80.1	N b W	0.2					
5 ,,	.903	.270	75.4	69.0	6.4	65.7	.73	76.0	80.1	,,	0.0					
6 ,,	.931	.296	75·2	69.0	6.2	65.8	.74	75.9	80.0	,,	0.0					
7 ,,	.947	.250	75.8	71.0	4.8	68.7	.80	76.0	80.0	,,	0.0					
8 ,,	.964	.278	76.8	71.0	5.8	68.2	.76	76.8	80.0	NE	0.3					
9 ,,	.976	.253	78.0	72.4	5.6	69.8	.77	77.5	80.0	,,	0.4					
10 ,,	.969	.231	82.1	74.0	8.1	70.5	.69	80.0	80.1	,,	0·5					
11 ,,	.945	.221	83.4	74.0	9.4	69.9	.65	81.0	80.2	NE b E	0.3	None.	None.	None.	None.	None.
Noon.	.915	.224	85.0	73.6	11.4	68.4	.59	82·0	80.5	,,	0.3					
1 p. m.	.899	.215	87.0	74.0	13.0	68.1	.55	83.0	80.6	NE	0·1					
2 ,,	.884	.153	89.7	76.0	13.7	70.2	.51	84.0	80.7	WNW	0.8					
3 ,,	.882	.115	84.7	75.5	9.2	71.6	.66	82·3	80.9	,,	1.0					
4 ,,	.880	.110	82.6	75.0	7.6	71.8	.71	81.2	80.9	,,	0·8					
5 ,,	.880	.117	80.5	74.2	6.3	71.5	.75	80.4	80.9	NW	0.7					
6 ,,	.895	.100	79.0	74.6	4.4	72.8	.82	79.2	80.8	,,	0.6					
7 ,,	.916	.137	78.4	74.0	4.4	72.1	.82	78.8	80.8	N	0·7					
8 ,,	.938	.157	78.2	74.0	4.2	72.2	.83	78.5	80.6	NW b N	0·5					
9 ,,	.950	.225	76.5	72.0	4.5	69.9	.81	77.1	80.6	N b W	0.1					
10 ,,	.944	.281	75.7	70.0	5.7	67.2	.76	76.5	80.5	N	0.2					
11 ,,	.935	.242	76.2	71.0	5.2	68.5	.78	76.7	80.4	,,	0.1					
Dec. 20th-Midnight	.929	.161	76.0	73.0	3·0	71.7	.87	76.0	80.4	N	0.1					
1 a. m.	.931	·195	76.2	72.2	4.0	70.4	.83	77.0	80.4	,,	0.0					
2 ,,	.932	.192	75.2	72.0	3.2	70.5	.86	76.1	80.3	N b E	0.0					
3 ,,	·913	.173	75.2	72.0	3.2	70.5	.86	76.0	80.2	,,	0.0					
4 ,,	.921	.197	75.0	71.5	3.5	69.9	.85	75.8	80.1	,,	0.0					
5 ,,	.933	.220	74.4	71.0	3.4	69.4	.85	75.2	80.0	,,	0.0					
6 ,,	.955	.327	72.8	68.0	4.8	65.5	.79	74.0	80.0	NNW	0.2					
7 ,,	.986	.309	73.5	69.5	4.0	67.8	.83	75.1	79.9	,,	0.1					
8 ,,	30·024	.340	77.0	71.0	6.0	68.1	.76	76.9	79.9	N b E	0.1					
9 ,,	·019	.295	80.0	73.0	7.0	69.9	.72	78.9	80.0	NE b N	0.1					
10 ,,	.016	.312	81.8	73.0	8.8	69.0	.67	80.4	80.2	,,	0.1					
11 ,,	29.996	.306	83.0	73.0	10.0	68.4	.63	80.2	80.3	,,	0·2	None.			None.	None.
Noon.	.971	.325	87.0	73.0	14.0	66.4	.53	82.2	80.5	,,	0.1					
1 p. m.	.958	·344	88.2	72.5	15.7	64.8	.47	83.1	80.6	W b S	0.1					
2 ,,	.936	.362	88.2	71.4	16.8	62.8	.44	83.2	80.8	W	0.1					
3 ,,	.913	.288	87.6	72.6	15.0	65.4	.49	83.3	80.9	,,	0.2					
4 ,,	·918	.200	85.4	74.4	11.0	69.6	.60	82.4	81.0	WNW	0.1					
5 ,,	.919	.224	82.6	73.0	9.6	68.6	.64	81.5	81.0	W b N	0.1					
6 ,,	.937	.187	81.0	74.0	7.0	71.0	.73	80.0	81.0	,,	0·5	+	1			
7 ,,	·957	.223	79.7	73.2	6.5	70.3	.74	79.7	81.0	,,	0.1					
8 ,,	.986	.212	78.8	74.0	4.8	71.9	.80	79.0	80.9	,,	0.1					
9 ,,	.986	.200	77.6	74.0	3.6	72.4	.85	78.1	80.8	,,	0.0	+	2			
10 ,,	.984	.291	76.2	71.0	5.2	68.5	.78	77.0	80.7	WNW	0.0					
11 ,,	.977	.273	75.2	71.0	4.2	69.0	.82	76.0	80.7	,,	0.0					
Dec. 21st-Midnight	.965	.203	76.5	73.0	3.5	71.4	.85	77.0	80.7	NNE	0.0					
1 a. m.	.966	.231	75.6	72.0	3.6	70.3	.85	76.3	80.6	,,	0.0					
2 ,,	.960	.216	74.8	72.0	2.8	70.7	.89	75.9	80.5	,,	0.0					
3 ,,	.955	.228	74.8	71.5	3.3	70.0	.86	75.9	80.4	,,	0.0					
4 ,,	.954	.268	73.6	70.0	3.6	68.2	.84	75.1	80.3	,,	0.0					
5 ,,	.943	.261	74.0	70.0	4.0	68.0	.83	75.3	80.2	,,	0.0	None.				
6 ,,	.962	.280	74.0	70.0	4.0	68.0	.83	75.2	80.2	,,	0.0		None.	None.	None.	None.
7 ,,	.990	.312	74.4	70.0	4.4	67.9	.81	76.0	80.2	,,	0.0					
8 ,,	30.020	.327	76.2	71.0	5.2	68.5	.78	76.4	80.2	,,	0.0					
9 ,,	.034	.327	78.2	72.0	6.2	69.1	.75	77.0	80.2	,,	0.0					
10 ,,	.037	.319	80.5	73.0	7.5	69.6	.71	78.5	80.2	NE b N	0·0					
11 ,,	.015	.303	82.8	73.5	9.3	69.3	.65	80.1	80.4	,,	0·0					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩≀ cumuli; ⌣≀ cirro-strati; ∩≀ cumulo-strati; and ⌣≀ nimbi.	
8	R	≀≀ scattered throughout, moving NE.	Mean daily temperature of ground 20 and 60 inches below its surface 81°3 and 83°7.
8	B	Overcast.	
8	B	"	
8	B	"	
7	B	Densely clouded with ≀≀, moving NE.	
8	C	Overcast with ≀≀, moving NE.	
8	C	Overcast.	
8	C	"	
8	R	"	
8	R	"	
6	R	≀≀ scattered throughout, moving NE.	
4	R	≀≀ scattered about hor., moving NE.	
3	R	" "	
1	B	≀≀ scattered around hor.	
1	B	" "	
1	B	∩≀ scattered from N to SE hor.	
1	B	" "	
1	C	" "	
0	C	∩≀ along E hor.; lightning in E every half minute.	
0	C	" "	
0	C	A few clouds along E hor.; lightning in ENE in every 1½m.	
0	R	Cloudless, except a few small fragments in E; lightning in ENE.	
0	R	Cloudless.	
0	R	"	
0	R	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°4 and 83°7.
0	B	" "	
1	B	≀≀ scattered along E hor.; dew falling.	
0	C	A few ≀≀ in E hor.; dew falling.	
0	C	" "	
0	R	" "	
0	R	" "	
0	B	A few clouds along E hor.; mist along W hor.	
0	B	" " "	
0	C	Mist and fog in hor.	
0	C	" "	
0	R	A few clouds in E hor.	
1	R	≀≀ scattered along E hor.	
1	B	" "	
1	B	" "	
1	C	∩≀ scattered along E hor.	
1	C	" "	
1	R	" "	
1	R	" "	
0	B	A few clouds in E hor.	
0	B	" "	
0	C	A few clouds in E hor.; dew falling.	
0	C	Cloudless; dew falling.	
0	R	" "	
0	R	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°5 and 83°7. Temperature of Air at 2 P. M. was 91°8, greatest during the month, and about 6°2 greater than the Normal Mean.
0	B	" "	
0	B	" "	
0	B	" "	
0	B	" "	
0	C	" "	
0	C	" "	
0	C	Mist and fog in hor.	
0	C	" "	
0	R	" "	
0	R	Mist along W hor.	
0	R	" "	

Bombay Civil Time. 1860.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Dec. 21st-Noon.	29.980	29.333	85°3	72°5	12°8	66°4	0.55	81°7	80°5	NE b N	0.3					
1 p. m.	.970	.399	88.4	71.4	17.0	62.6	.44	83.2	80.7	NE	0.1					
2 „	.953	.322	91.8	74.0	17.8	65.6	.44	85.1	81·0	W.	0.1					
3 „	.948	.358	90.4	72.5	17.9	63.6	.42	85.1	81.2	„	0.1					
4 „	.943	.232	88.0	75.0	13.0	69.3	.55	84.8	81.3	„	0·1					
5 „	.937	.219	84.0	74.0	10.0	69.6	.63	83.0	81.3	„	0.1	None.	None.	None.	None.	None.
6 „	.952	.241	81.8	73.2	8.6	69.3	.67	81.2	81.2	WNW	0.2					
7 „	.976	.226	81.0	74.0	7.0	71.0	.73	80.7	81.2	NW	0.2					
8 „	.994	.211	80.4	74.7	5.7	72.3	.77	80.0	81.2	NW b N	0.0					
9 „	30.008	.271	78.8	73.0	5.8	70.4	.77	79.0	81.1	„	0.0					
10 „	.008	.295	77.6	72.0	5.6	69.4	.77	78.0	81.0	„	0.0					
11 „	.002	.254	77.8	73.0	4.8	70.9	.80	78.0	81.0	„	0.0		•			
Dec. 22nd-Midnight	29.997	.249	77.8	73.0	4.8	70.9	.80	78.0	81.0	NW b N	0.0		+	10	10	Above 10m.
1 a. m.	.997	.283	77.5	72.0	5.5	69.4	.77	78.0	81.0	„	0.0		+	1		Above 10m.
2 „	.994	.267	76.4	72.0	4.4	70.0	.81	77.1	81.0	„	0·0		+	1		Above 10m.
3 „	.989	.274	75.9	71.5	4.4	69.5	.81	76.9	80.9	„	0.0					
4 „	.986	.326	74.6	69.5	5.1	67.0	.78	76.0	80.7	„	0.0					
5 „	.980	.354	73.0	68.0	5.0	65.4	.78	75.0	80.6	„	0.0					
6 „	.991	.377	72.6	67.5	5.1	64.8	.78	74.4	80.5	N b W	0.0					
7 „	30.015	.333	74.0	70.0	4.0	68.0	.83	76.0	80.5	N	0.0					
8 „	.043	.359	77.0	71.0	6.0	68.1	.75	76.9	80.5	NE b N	0·0					
9 „	.055	.370	78.6	71.5	7.1	68.1	.72	77.5	80.5	NE	0.2		+	1		Above 10m.
10 „	.050	.336	80.9	73.0	7.9	69.4	.69	79.0	80.5	„	0.1		+	1		Above 10m.
11 „	.026	.273	84.2	75.0	9.2	71.1	.66	81.0	80.6	„	0.1		+	2		Above 10m.
Noon.	29.988	.301	85.0	73.5	11.5	68.2	.59	81.6	80.8	NW b N	0.2	None.				
1 p. m.	.977	.263	86.0	74.5	11.5	69.4	.59	82.3	81.0	WNW	0.1					
2 „	.954	.252	85.4	74.0	11.4	68.9	.59	82.5	81.1	NW b W	0.6					
3 „	.932	.184	84.6	75.0	9.6	70.9	.65	82.3	81.2	„	0.4					
4 „	.931	.187	83.6	74.6	9.0	70.7	.66	82.0	81.2	„	0.6					
5 „	.925	.166	81.3	74.3	7.0	71.3	.73	81.0	81.2	NW	0.3					
6 „	.929	.168	80.0	74.0	6.0	71.4	.76	80.0	81.1	„	0.3					
7 „	.949	.205	79.5	73.4	6.1	70.7	.76	79.5	81.0	„	0.4					
8 „	.960	.218	79.4	73.3	6.1	70.6	.76	79.3	81.0	NW b N	0.6					
9 „	.970	.200	79.2	74.0	5.2	71.8	.79	79.1	81.0	„	0.4					
10 „	.979	.229	77.6	73.0	4.6	71.0	.81	78.0	81.0	NNW	0.1					
11 „	.974	.217	77.0	73.0	4.0	71.2	.83	77.5	80.9	„	0.0					
Dec. 24th-Midnight	.969	.261	74.8	71.0	3.8	69.2	.84	75.0	80.5	NNW	0.0					
1 a. m.	.970	.286	74.8	70.3	4.5	68.1	.81	75.5	80.6	„	0.0					
2 „	.970	.295	74.6	70.0	4.6	67.7	.80	75.3	80.5	„	0.0					
3 „	.970	.323	74.5	69.1	5.4	66.4	.77	75.3	80.5	„	0·1		+	1		Above 10m.
4 „	.971	.349	73.4	68.0	5.4	65.2	.77	74.7	80.4	NNE	0.0					
5 „	.969	.330	71.8	68.0	3.8	66.0	.83	72.4	80.2	„	0.0					
6 „	.987	.333	71.2	68.2	3.0	66.7	.86	71.7	80.0	„	0.0					
7 „	30.011	.368	72.0	68.2	3.8	66.2	.83	74.3	80.0	N b E	0.0					
8 „	.033	.403	75.6	69.0	6.6	65.6	.73	75.9	80.0	„	0.0					
9 „	.053	.416	78.1	70.0	8.1	65.9	.68	77.0	80.0	NNE	0.1					
10 „	.058	.442	80.0	70.0	10.0	64.9	.62	78.0	80.0	„	0.2					
11 „	.037	.415	82.5	71.0	11.5	65.2	·58	79.5	80.2	„	0.2	None.			None.	
Noon.	29.998	.398	84.5	71.0	13.5	64.1	.52	80.7	80.4	„	0.2					
1 p. m.	.981	.449	88.2	70.2	18.0	60.5	.41	83.3	80.6	N b E	0.1					
2 „	.956	.326	85.3	72.0	13.3	65.6	.53	82.4	80.7	WNW	0.6					
3 „	.946	.260	84.4	73.3	11.1	68.2	.60	82.1	80.8	NW b N	0·8					
4 „	.933	.226	83.6	73.6	10.0	69.1	.63	81.9	80.8	„	0.4					
5 „	.938	.229	81.4	73.0	8.4	69.2	.68	80.1	80.6	NW	0.8					
6 „	.946	.235	79.5	72.5	7.0	69.3	.72	79.2	80.6	„	0.8					
7 „	.967	.269	79.0	72.0	7.0	68.7	.72	78.9	80.6	„	0.7					
8 „	.986	.288	79.0	72.0	7.0	68.7	.72	78.9	80.6	„	1·2					
9 „	.995	.353	77.6	70.0	7.6	66.2	.70	78.0	80.6	N b W	0.5					
10 „	.998	.403	75.8	68.0	7.8	63.9	.68	76.3	80.5	„	0.4					
11 „	.997	.371	74.5	68.5	6.0	65.4	.75	75.2	80.4	„	0.0					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: 1 cirri; ∿ cirro-cumuli; ⌒ cumuli; ⌣ cirro-strati; ⌒ cumulo-strati; and ⌣ nimbi.	
	●		
0	R	A few clouds in E hor.; mist in NW hor.	
1	B	∿ scattered about E hor.	
2	B	∿ scattered from N to SE hor.	
2	B	" "	
2	B	" "	
2	C	" "	
1	C	" "	
0	C	Cloudless, except in hor.	
0	C	" "	
4	R	∿ scattered about, moving W.	
6	R	" "	
7	R	" "	
8	R	Overcast with dense ∿, moving W.	Mean daily temperature of ground 20 and 60 inches below its surface 81°6 and 83°8.
7	B	Dense ∿ scattered throughout.	
3	B	∿ scattered about hor.	
1	B	∿ scattered around hor.	
1	B	" "	
1	C	" "	
0	C	Mist and fog in hor.	
0	C	" "	
0	C	" "	
0	R	A few pieces of clouds in N and E hor.; mist in W hor.	
0	R	Mist along W hor.	
0	R	A few pieces of clouds in SE hor.; mist in W and NW hor.	
0	R	" " "	
0	B	∿ scattered along E hor.	
0	B	A few pieces of clouds in E hor.	
0	B	" "	
0	B	" "	
0	C	" "	
0	C	Cloudless.	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	R	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°8 and 83°9. Height of Barometer at 10 A. M. was 30·058 in. greatest during the month, and about 0·084 in. greater than the Normal Mean.
0	B	" "	
0	B	Cloudless.	
0	B	"	
0	B	"	
0	C	"	
0	C	"	
0	C	Mist and fog in hor.	
0	C	" "	
0	R	" "	
0	R	Mist in W hor.	
0	R	"	
0	R	Cloudless.	
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	B	"	

Bombay Civil Time. 1860.	Standard Barometer.		Thermometers.			Deduced.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.	Dew-point.		Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Volta 1.	Readings of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Dec. 26th-Midnight	29.956	29.366	73·4	70·0	3·4	68·3	0.85	74·2	80·0	N b W	0.2		+	1		Above 10m.
1 a. m.	.961	.330	72·5	68.0	4.5	65.6	.80	74.0	80.0	„	0.0					
2 „	.947	.368	71.9	66.2	5.7	63.0	.75	73.3	80.0	„	0.0					
3 „	.944	.424	71.0	64.0	7.0	59.8	.69	72.9	79.8	„	0.0					
4 „	.944	.421	70.7	64.0	6.7	60.0	.71	72.1	79.6	„	0.1					
5 „	.940	.394	70.0	64.5	5.5	61.3	.75	71.6	79.4	„	0.1					
6 „	.958	.343	71.0	67.0	4.0	64.9	.82	72.2	79.4	N	0.1					
7 „	.980	.376	72.0	67.0	5.0	64.3	.78	74.0	79.3	NNE	0.0					
8 „	30.006	.352	75.0	69.5	5.5	66.7	.77	75.0	79.3	„	0.0					
9 „	.016	.352	77.2	70.5	6.7	67.2	.73	76.3	79.4	„	0.1					
10 „	.015	.429	79.6	69.0	10.6	63.4	.60	77.5	79·5	„	0.4	None.	+	1	None.	Above 10m.
11 „	29.989	.427	81.8	69.0	12.8	62.1	.53	79.0	79.5	„	0.2		+	1		Above 10m.
Noon.	.957	.460	84.6	68.0	16.6	53.4	.43	80.5	79.7	„	0.1					
1 p. m.	.946	.308	86.1	72.5	13.6	66.0	.53	82.3	79.9	NW b W	0.2		+	1		Above 10m.
2 „	.925	.257	85.0	73.0	12.0	67.4	.57	82.0	80.0	WNW	0.3		+	1		Above 10m.
3 „	.911	.243	85.0	73.0	12.0	67.4	.57	82.0	80.1	„	0.2		+	2		1.05
4 „	.909	.226	83.6	73.0	10.6	68.1	.61	81.3	80.2	NW b W	0.4		+	1		Above 10m.
5 „	.899	.189	80.8	72.6	7.4	69.3	.71	80.4	80.2	NW	0.3		+	1		Above 10m.
6 „	.910	.195	78.8	72.4	6.4	69.5	.74	79.0	80.1	„	0.1					
7 „	.930	.184	78.0	73.0	5.0	70.8	.79	78.3	80.0	„	0.2					
8 „	.943	.210	77.6	72.6	5.0	70.2	.79	78.0	80.0	„	0.4					
9 „	.953	.273	77.4	71.0	6.4	67.9	.74	77.5	80.2	NW b N	0.5					
10 „	.961	.333	75.8	69.0	6.8	65.5	.72	76.3	80.2	NNW	0.5		+	1		Above 10m.
11 „	.945	.342	73.6	67.5	6.1	64.3	.74	75.0	80.1	„	0.3					
Dec. 27th-Midnight	.939	.378	73.0	66.0	7.0	62.1	.70	74.0	80.0	NNW	0.0					
1 a. m.	.940	.326	72.6	67.5	5.1	64.8	.78	74.0	79.9	„	0.0					
2 „	.937	.304	72.4	68.0	4.4	65.7	.81	73.3	79.8	„	0.0					
3 „	.922	.285	72.0	68.0	4.0	65.9	.82	73.0	79.7	„	0.0					
4 „	.923	.311	71.3	67.0	4.3	64.7	.81	72.9	79.6	„	0.0					
5 „	.919	.332	70·6	66.0	4.6	63.4	.79	72.0	79.5	„	0.0					
6 „	.943	.353	70.4	66.0	4.4	63.6	.81	71.9	79.3	N b E	0.0					
7 „	.959	.393	69.6	65.0	4.6	62.3	.79	71.3	79.1	„	0.0					
8 „	.986	.307	74.3	70.0	4.3	67.9	.81	74.5	79.1	NNE	0.0					
9 „	.997	.339	76.2	70.0	6.2	66.9	.74	75.6	79.2	„	0.2					
10 „	30.002	.402	78.4	69.0	9.4	64.1	.63	77.0	79.4	„	0·3	None.				
11 „	29.984	.374	80.5	70.0	10.5	64.6	.60	78.0	79.5	„	0.1					
Noon.	.954	.405	83.0	69.0	14.0	61.4	.50	79.8	79.5	NW	0.1					
1 p. m.	.937	.326	86.9	72.0	14.9	64.7	.49	82.0	79.7	„	0.1					
2 „	.917	.228	86.5	74.0	12.5	68.3	.56	82.0	79.9	WNW	0.1					
3 „	.904	.242	86.2	73.2	13.0	67.1	.54	82.5	80.0	NW	0.3					
4 „	.900	.189	84.6	74.0	10.6	69.3	.62	82.1	80.1	„	0.2					
5 „	.885	.202	81.0	72.2	8.8	68.1	.66	80.4	80.0	„	0.3					
6 „	.891	.193	79.0	72.0	7.0	68.7	.72	79.0	80.0	„	0.2					
7 „	.902	.156	78.0	73.0	5.0	70.8	.80	78.2	80.0	NW b N	0.2					
8 „	.930	.175	77.2	73.0	4.2	71.2	.82	77.6	79.8	„	0.0					
9 „	.941	.212	76.2	72.0	4.2	70.1	.82	77.0	80.0	„	0.0					
10 „	.936	.226	74.6	71.0	3.6	69.3	.84	75.8	80·0	„	0·0		+	10	10	0.50
11 „	.928	.255	73.6	69.6	4.0	67.6	.83	74.6	80.0	„	0.0		+	10	10	0.30
Dec. 28th-Midnight	.924	.218	75.0	71.0	4.0	69.1	.83	75.6	79.9	NNW	0.4		+	2		0.20
1 a. m.	.924	.238	73.6	70.0	3.6	68.2	.84	75.0	79.9	NNE	0.0					
2 „	.924	.320	72.0	67.0	5.0	64.3	.78	73.5	79.8	„	0.0					
3 „	.904	.294	72.7	67.4	5.3	64.6	.77	73.9	79.7	„	0.1					
4 „	.906	.289	72.6	67.6	5.0	65.0	.78	73.5	79.6	„	0.1					
5 „	.898	.270	71.6	67.6	4.0	65.5	.82	73.0	79.5	„	0.1					
6 „	.920	.377	70.6	64.6	6.0	61.1	.73	72.3	79.4	„	0.1	None.			None.	
7 „	.948	.313	72.2	68.0	4.2	65.8	.81	74.0	79.4	„	0.0					
8 „	.972	.357	74.0	68.0	6.0	64.9	.74	74.6	79.4	NE	0.0					
9 „	.975	.381	75.9	68.0	7.9	63.8	.68	75.3	79.3	„	0.3					
10 „	.975	.378	78.6	69.0	9.6	64.0	.63	77.0	79.3	„	0.2					
11 „	.954	.343	81.1	70.2	10.9	64.7	.59	78.6	79.5	N b W	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ⌒ cumuli; ⌒≀ cirro-strati; ⌒⌒ cumulo-strati; and ≀≀ nimbi.	
0	R	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 81°8 and 83°9. At 4 P. M. the reading of wet bulb thermometer was 64°0, lowest during the month, and about 4°4 lower than the Normal Mean.
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	C	"	
0	C	"	
0	C	Mist and fog in hor.	
0	C	" "	
0	R	Mist along W hor.	
0	R	" "	
0	R	" "	
0	R	Cloudless.	
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	R	"	
0	R	"	
0	R	"	
0	R	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 81°7 and 83°9.
0	B	"	
0	B	Cloudless; dew falling.	
0	B	" "	
0	B	" "	
0	C	" "	
0	C	Mist and fog in hor.	
0	C	" "	
0	C	" "	
0	R	" "	
0	R	Mist along W hor.	
0	R	" "	
0	R	Cloudless.	
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	C	"	
0	C	"	
0	C	A few clouds above NE hor.	
0	C	Light ≀ scattered here and there.	
0	R	" "	
3	R	≀ scattered about.	
3	R	≀ scattered about; dew falling.	
4	R	≀ scattered about, moving ENE.	Mean daily temperature of ground 20 and 60 inches below its surface 81°6 and 83°9.
6	B	Light ≀ scattered throughout.	
6	B	" "	
6	B	" "	
6	B	Light ≀ scattered about hor., rather densely.	
6	C	Light ≀ scattered throughout.	
3	C	≀≀ in E hor.; ≀ scattered about.	
3	C	≀ scattered about; mist and fog in hor.	
3	C	" "	
3	R	" "	
2	R	" "	
3	R	≀ scattered about; mist along W hor.	

Bombay Civil Time. 1860.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet-bulb Thermometer.	Depression of Wet-bulb below Thermometer in the Air.			Thermometer 1 inch in the Ground.	Thermometer 9 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in seconds that the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Dec. 28th-Noon.	29.926	29.312	83°3	71°0	12°3	64°8	0.55	80°0	79°6	NW b W	0.4		+	2		Above 10m
1 p. m.	.913	.267	83.7	72.0	11.7	66.4	.58	80.6	79.7	NW	0.3					
2 „	.891	.252	84.6	72.1	12.5	66.0	.55	81.5	79.9	NW b W	0.3					
3 „	.884	.209	85.0	73.2	11.8	67.7	.58	82.0	80.0	NW	0.5					
4 „	.884	.183	83.8	73.5	10.3	68.9	.62	81.8	80.1	„	0.5					
5 „	.881	.143	80.8	73.6	7.2	70.5	.72	80.3	80.1	„	0.3	None.			None.	
6 „	.887	.184	78.5	72.0	6.5	69.0	.74	78.7	80.0	NW b N	0.1					
7 „	.897	.198	77.6	71.6	6.0	68.8	.76	77.9	80.0	NNW	0.4					
8 „	.915	.262	76.6	70.0	6.6	66.7	.73	77.0	80.0	„	0.0					
9 „	.923	.352	75.0	67.0	8.0	62.6	.67	75.7	80.0	„	0.0					
10 „	.933	.302	74.0	68.5	5.5	65.6	.76	75.0	79.8	N b W	0.0					
11 „	.935	.204	76.0	72.0	4.0	65.6	.83	76.0	79.8	NNE	0.4		+	1		Above 10m
Dec. 29th-Midnight	.927	.225	75.4	71.0	4.4	68.9	.81	76.0	79.8	NNE	0.2					
1 a. m.	.931	.226	75.1	74.0	4.1	69.0	.82	76.0	79.8	NE b N	0.1					
2 „	.932	.254	74.5	70.0	4.5	67.8	.81	75.6	79.7	NE	0.1					
3 „	.916	.316	72.4	67.0	5.4	64.1	.76	74.0	79.6	NE b N	0.1					
4 „	.918	.267	72.2	68.5	3.7	66.6	.84	73.6	79.6	„	0.1					
5 „	.932	.264	72.2	69.0	3.2	67.4	.86	74.0	79.5	„	0.1					
6 „	.945	.328	70.8	67.0	3.8	65.0	.83	73.0	79.4	„	0.0					
7 „	.961	.337	70.2	67.0	3.2	65.3	.86	73.0	79.2	„	0.0					
8 „	.985	.370	73.0	68.0	5.0	64.9	.78	73.9	79.3	„	0.0					
9 „	.993	.401	76.1	68.0	8.1	63.7	.67	75.5	79.3	NE	0.4					
10 „	.985	.381	78.0	69.0	9.0	64.3	.64	76.7	79.3	„	0.3					
11 „	.972	.388	79.8	69.0	10.8	63.3	.59	78.0	79.5	„	0.1					
Noon.	.936	.354	83.0	70.0	13.0	63.2	.53	79.7	79.5	„	0.2					
1 p. m.	.927	.295	86.7	72.5	14.2	65.7	.51	81.5	79.7	W	0.1	None.				
2 „	.905	.282	85.8	72.0	13.8	65.3	.52	81.5	79.8	W b S	0.1					
3 „	.900	.232	86.4	73.4	13.0	67.4	.54	82.2	80.0	W	0.1					
4 „	.898	.226	84.6	73.0	11.6	67.6	.58	81.9	80.1	„	0.3					
5 „	.895	.191	81.8	73.0	8.8	69.0	.67	80.6	80.0	W b N	0.1		+	2		Above 10m.
6 „	.906	.182	80.0	73.0	7.0	69.9	.72	79.7	80.0	„	0.1					
7 „	.932	.207	78.2	72.5	5.7	69.9	.77	78.3	80.0	„	0.2					
8 „	.941	.216	77.2	72.2	5.0	69.9	.79	77.5	80.0	„	0.1					
9 „	.952	.225	76.4	72.0	4.4	70.0	.81	77.0	80.0	„	0.1		+	20	20	Above 10m.
10 „	.957	.286	75.0	70.0	5.0	67.5	.79	76.0	79.9	„	0.1		+	2		Above 10m.
11 „	.953	.194	76.8	73.0	3.8	71.3	.84	77.0	79.8	WNW	0.2					
Dec. 31st-Midnight	.968	.197	75.7	73.0	2.7	71.8	.88	76.5	80.2	NW b N	0.2					
1 a. m.	.968	.192	75.3	73.0	2.3	72.0	.90	76.1	80.2	NNW	0.1					
2 „	.967	.220	74.5	72.0	2.5	70.8	.89	75.4	80.2	„	0.1					
3 „	.956	.265	73.6	70.1	3.5	68.4	.85	74.8	80.1	N b E	0.0					
4 „	.957	.298	73.0	69.0	4.0	67.0	.82	74.2	79.9	„	0.2					
5 „	.956	.297	73.0	69.0	4.0	67.0	.82	74.1	79.9	NE b N	0.1					
6 „	.972	.311	72.8	69.0	3.8	67.1	.83	73.9	79.8	NE	0.0					
7 „	.993	.360	72.4	68.0	4.4	65.7	.81	73.7	79.8	„	0.3					
8 „	30.021	.384	75.0	69.0	6.0	65.9	.75	75.1	79.8	„	0.4					
9 „	.035	.392	77.5	70.0	7.5	66.2	.70	76.6	79.7	NE b E	0.4					
10 „	.034	.378	79.5	71.0	8.5	66.8	.67	78.0	79.8	NE	0.3					
11 „	.011	.334	80.9	72.0	8.9	67.8	.66	78.8	79.8	NE b E	0.2	None.	None.	None.	None.	None.
Noon.	29.968	.344	82.4	71.0	11.4	65.3	.58	80.0	80.0	NE	0.1					
1 p. m.	.965	.308	86.0	73.0	13.0	66.9	.54	81.6	80.1	WNW	0.1					
2 „	.954	.281	85.2	73.2	12.0	67.6	.57	81.9	80.3	„	0.2					
3 „	.950	.277	85.2	73.2	12.0	67.6	.57	82.1	80.4	„	0.2					
4 „	.941	.229	82.8	73.5	9.3	69.3	.65	81.2	80.4	„	0.3					
5 „	.929	.211	80.5	73.0	7.5	69.6	.71	80.0	80.4	„	0.2					
6 „	.939	.223	79.0	72.5	6.5	69.5	.74	79.0	80.3	„	0.1					
7 „	.958	.214	78.2	73.0	5.2	70.7	.79	78.5	80.2	„	0.0					
8 „	.990	.256	77.0	72.4	4.6	70.3	.81	77.6	80.1	„	0.0					
9 „	.991	.269	76.8	72.0	4.8	69.8	.80	77.3	80.1	„	0.0					
10 „	.990	.323	75.4	70.0	5.4	67.3	.77	76.1	80.0	„	0.0					
11 „	.984	.358	75.0	68.0	7.0	65.4	.71	75.6	80.0	„	0.0					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≤≤ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩≤ cumulo-strati; and ≤⌣ nimbi.	
0	R	A few ≤ scattered here and there.	
2	B	A few pieces of ≤≤ in ESE hor.; ≤ scattered around hor.	
2	B	" " "	
3	B	" " "	
5	B	A few ≤≤ above ESE and E hor.; ≤ scattered throughout.	
6	C	" " "	
5	C	A few ≤≤ in W hor.; ≤ scattered throughout.	
4	C	≤ scattered about.	
4	C	"	
3	R	"	
3	R	"	
3	R	≤ scattered about, moving NE.	
3	R	≤ scattered about, moving ENE.	Mean daily temperature of ground 20 and 60 inches below its surface 81°6 and 83°9.
5	B	" "	
5	B	" "	
4	B	≤≤ above W hor.; ≤ scattered about.	
4	B	" "	
2	C	≤≤ in SW hor.; light ≤ scattered about; dew falling.	
4	C	≤≤ and ≤ scattered about, the former moving SE; dew falling.	
3	C	≤≤ and ≤ scattered about, the former moving SE; mist and fog in hor.	
3	C	≤ scattered about; mist and fog in hor.	
7	R	≤ scattered throughout; mist and fog in hor.	
4	R	≤ scattered about; mist along W hor.	
4	R	≤ scattered about, moving E.	
4	R	≤≤ above E hor.; ≤ scattered about, moving E.	
5	B	≤≤ above E hor.; ≤ scattered about.	
6	B	≤≤ along E hor.; ≤ scattered throughout, moving ENE.	
6	B	" " "	
6	B	" " "	
7	R	≤ and ≤≤ scattered throughout, both moving NE.	
7	R	" "	
6	R	≤ above W hor.; ≤≤ scattered about, moving E.	
6	R	≤ and ≤≤ scattered about, both moving NNE.	
5	R	≤ scattered about.	
6	R	"	
5	R	"	
2	R	≤≤ scattered along W hor.; a few ≤ scattered here and there.	Mean daily temperature of ground 20 and 60 inches below its surface 81°5 and 83°8.
1	B	≤≤ scattered along W hor.; dew falling.	
1	B	≤≤ scattered along N hor.; dew falling.	
1	B	" " "	
0	B	Clear, except in hor.; dew falling.	
1	C	≤ scattered along E hor.; dew falling.	
5	C	≤ scattered about, moving ENE.	
4	C	" "	
5	C	" "	
4	R	≤≤ around hor.; ≤ scattered about.	
4	R	" "	
7	R	≤ scattered throughout, moving ENE.	
6	R	" "	
6	B	" "	
7	B	∩≤ in E hor.; ≤ scattered throughout, moving ENE.	
6	B	Clouded as at 1 P. M.	
7	B	" "	
7	C	" "	
7	C	≤ scattered throughout; lightning in NE every half minute.	
5	C	≤ scattered about, moving ENE; lightning in NE at intervals of more than 5m.	
4	C	≤ scattered around hor., moving ENE.	
4	C	" "	
5	C	≤ scattered about, moving ENE.	
8	C	" "	

BOMBAY MAGNETICAL OBSERVATORY.

EXTRAORDINARY ELECTROMETER OBSERVATIONS.

1860.

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1860.

Date.	Bombay Mean Solar Time, or Limits of Time, 1860.	Sign of Electricity by Gold L. El.	Reading of Electrometers. Volta (1).	Volta (2).	Henly.	Time of Recovery after Discharge.	Ronald's Spark Measure. Time of Observation or Occurrence of Spark.	Length of Spark.	Corresponding frequency.	Time of maximum Tension.
			Scale.	Scale.	o	M. S.	H. M. A. M.	In.	Sp. Sec.	H. M.
1st May.	From 1h 4m to 2h 6m A. M.	Neg.	Out of Scale.	Out of Scale.	7	Inst.	1.04	0.08	2 in 1	
		,,	,,	,,	6	,,	1.09	.07	,,	
		,,	,,	,,	6	,,	1.14	.07	,,	
		,,	,,	,,	5	,,	1.19	.06	,,	
		,,	,,	,,	5	,,	1.21	.06	,,	
		,,	,,	,,	4	,,	1.26	.06	2 in 3	
		,,	,,	,,	5	,,	1.31	.07	,,	
		,,	,,	,,	7	,,	1.36	.09	,,	1.36
		,,	,,	,,	6	,,	1.41	.07	1 in 3	
		,,	,,	,,	4	,,	1.46	Light sparks.		
		,,	,,	68		0.05	1·48			
		,,	,,	Out of Scale.	2	Inst.	1.51	0.03	2 in 1	
		,,	,,	,,	2	,,	1.56	.02	1 in 5	
		,,	,,	,,	1	,,	2.01	.01	1 in 5	
		,,	15	15		Uncertain.	2.06			
6th June.	From 5h 1m to 5h 6m P. M.	Neg.	Out of Scale.	Out of Scale.	6	Inst.	5.00	0.06	2 in 1	
		,,	,,	,,	6	,,	.03	.06	1 in 1	5.03
		,,	,,	,,	4	,,	·06	.03	2 in 3	
11th June.	From 10h 13m to 10h 19m P. M.	Neg.	Out of Scale.	Out of Scale.	10	,,	10.13	0.10	1 in 2	
		,,	,,	,,	10	,,	.16	.05	A spark.	
		,,	,,	,,	6	,,	.17	.07	3 in 1	
		,,	,,	,,	12	,,	.18	.10	2 in 1	10.18
		,,	10	10		,,	·19			
	From 10h 25m to 10h 28m P. M.	,,	Out of Scale.	Out of Scale.	16	,,	0.25	0.14	2 in 1	10.25
		,,	,,	,,	8	,,	.26	.09	1 in 1	
		,,	,,	,,	8	,,	.27	.07	A spark.	
		,,	,,	50		,,	·28		,,	
12th June.	From 2h 51m P. M. to 3h 2m P. M.	Neg.	Out of Scale.	Out of Scale.	7	Inst.	2.51	0.07	1 in 1	
		,,	,,	,,	7	,,	.53	.07	2 in 3	
		,,	,,	,,	7	,,	.54	.07	,,	
		,,	,,	75		,,	.56	.01	A spark.	
		,,	,,	Out of Scale.	2	,,	.57	.01	1 in 1	
		,,	,,	,,	2	,,	.58	·02	,,	
		,,	,,	,,	10	,,	3.00	.12	2 in 1	
		,,	,,	,,	7	,,	.01	.06	A spark.	3.00
		,,	,,	25		,,	.02			
20th June.	From 0h 8m P. M. to 0h 41m P. M.	Neg.	Out of Scale.	Out of Scale.	5	Inst.	0.08	0.06	1 in 1	
		,,	,,	,,	6	,,	.09	.07	,,	
		,,	,,	,,	7	,,	.10	.08	2 in 3	
		,,	,,	,,	7	,,	.12	.08	,,	
		,,	,,	,,	6	,,	.13	.08	1 in 1	
		,,	,,	,,	8	,,	·15	.09	2 in 1	
		,,	,,	,,	9	,,	.17	.10	1 in 2	
		,,	,,	,,	9	,,	·18	.10	1 in 1	
		,,	,,	,,	10	,,	.19	.11	3 in 2	
		,,	,,	,,	9	,,	.21	.10	1 in 1	
		,,	,,	,,	9	,,	.23	.10	,,	
		,,	,,	,,	10	,,	.24	.11	2 in 1	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1860.

Barometer corrected for 32° Fahr.	Temperature of Air.	Wind. Direction.	Wind. Force in lbs.	Extent of Cloudy Sky.	Remarks.
			lbs.		
29·770	81·7	NNW	0·1	8	Overcast with ∿, moving N; thunder and lightning N of zenith; light rain.
		,,	,,	,,	
		,,	,,	,,	Overcast; raining.
		,,	,,	,,	
		,,	,,	,,	
		Calm.		,,	Overcast; lightning and thunder about zenith.
		,,		,,	No thunder.
		NW	0·1	,,	Breaks in S.
		,,	,,	,,	Lightning in N.
		,,	,,	,,	Lightning and thunder in N.
		,,	,,	,,	No lightning nor thunder.
		Calm.		,,	Lightning and thunder in N.
		NW	0·7	,,	Clouds dispersed in S; light breezes of wind from NW.
		,,	0·2	,,	Lightning in N.
29·759	81·2	,,	,,	,,	
		NW	0·4	8	Threatening appearance in E; the sky was densely clouded with electrical clouds mostly ∿; ⌒ were seen around hor; the position of sky in the NW was cloudless a little above hor.
		,,	,,	,,	
29·598	87·1	,,	,,	,,	
·517	84·2	Calm.	0·0	8	Overcast with heavy clouds; lightning in NE and S hor; thunder about zenith; raining very heavily.
		,,	,,	,,	
		W b N	0·2	,,	
		,,	,,	,,	
		WNW	,,	,,	
		NW	0·3	,,	
		N b W	,,	,,	
		NW b N	,,	,,	
		,,	,,	,,	
		WNW	0·3	8	⌒ around hor; ∿ scattered throughout; light drops of rain.
		W b S	,,	,,	
		WSW	,,	,,	
		,,	,,	,,	
		W	0·1	,,	
29·465	83·6	,,	,,	,,	
		Calm.	0·0	,,	Overcast; raining heavily; occasional thunder.
		,,	,,	,,	
		,,	,,	,,	
29·700	86·0	NW b N	0·2	8	Overcast with heavy clouds; thunder in NE and E.
		,,	,,	,,	
		,,	,,	,,	
		NW	,,	,,	
		,,	,,	,,	Overcast; drizzling rain; occasional thunder.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1860.

Date.	Bombay Mean Solar Time, or Limits of Time, 1859.	Sign of Electricity by Gold L. El.	Reading of Electrometers. Volta (1).	Volta (2).	Henly.	Time of Recovery after Discharge.	Ronald's Spark Measure. Time of Observation or Occurrence of Spark.	Length of Spark.	Corresponding frequency.	Time of maximum Tension.
			Scale.	Scale.	°	M. S.	H. M.	In.	Sp. Sec.	H. M.
20th June.	From 0h 8m P. M. to 0h 41m P. M.	Neg.	Out of Scale.	Out of Scale.	11	Inst.	0.25	0.12	2 in 1	0.27
		,,	,,	,,	11	,,	.27	.12	,,	
		,,	,,	,,	11	,,	.29	.12	3 in 2	
		,,	,,	,,	9	,,	.30	.10	1 in 1	
		,,	,,	,,	9	,,	.32	.10	,,	
		,,	,,	,,	7	,,	.35	.08	,,	
		,,	,,	,,	7	,,	.37	.08	,,	
		,,	,,	,,	5	,,	.39	.06	1 in 2	
		,,	,,	,,	6	,,	.41	.07	,,	
	From 5h 55m P. M. to 6h 19m P. M.	Neg.	Out of Scale.	Out of Scale.	5	Inst.	5.55	0.06	2 in 1	5.55
		,,	,,	,,	5	,,	.56	.05	,,	
		,,	,,	,,	5	,,	.57	.05	,,	
		,,	,,	,,	5	,,	6.03	.05	,,	
		,,	,,	,,	5	,,	.16	.05	,,	
		,,	,,	,,	5	,,	.17	.05	1 in 2	
		,,	,,	,,	5	,,	.18	.05	,,	
		,,	,,	100		,,	.19	.01	,,	
29th June.	From 11h 44m A. M. to Noon.	Neg.	Out of Scale.	Out of Scale.	19	Inst.	11.44	0.20	2 in 1	11.44
		,,	,,	,,	16	,,	.45	.17	3 in 1	
		,,	,,	,,	17	,,	.46	.18	2 in 1	
		,,	,,	,,	16	,,	.47	.17	,,	
		,,	,,	,,	15	,,	.48	.15	,,	
		,,	,,	,,	14	,,	.49	.15	1 in 1	
		,,	,,	,,	14	,,	.50	.15	,,	
		,,	,,	,,	13	,,	.51	.14	,,	
		,,	,,	,,	13	,,	.52	.12	,,	
		,,	,,	,,	9	,,	.53	.10	1 in 2	
		,,	,,	,,	9	,,	.54	.10	1 in 3	
		,,	,,	,,	8	,,	.55	.07	1 in 2	
		,,	,,	,,	9	,,	.56	.10	2 in 1	
		,,	,,	,,	9	,,	.57	.08	1 in 1	
		,,	,,	,,	6	,,	.58	.07	,,	
		,,	,,	,,	3	,,	.59	.04	A spark.	
		,,	,,	30	30	0.02	12.00			
27th Sept.	From 7h 24m to 7h 30m P. M.	Neg.	Out of Scale.	Out of Scale.	4	Inst.	7.24	0.06	2 in 1	7.27
		,,	,,	,,	4	,,	.25	.07	,,	
		,,	,,	,,	6	,,	.26	.08	3 in 1	
		,,	,,	,,	8	,,	.27	.09	Many.	
		,,	,,	,,	4	,,	.28	.05	1 in 1	
		,,	,,	,,	6	,,	.29	.06	,,	
		,,	,,	,,	0	,,	.30			
15th Oct.	From 3h 39m P. M. to 4h 11m P. M.	Neg.	Out of Scale.	Out of Scale.	3	Inst.	3.39	0.02	2 in 1	
		,,	,,	,,	4	,,	3.40	.05	,,	
		,,	,,	,,	4	,,	3.41	.05	,,	
		,,	,,	,,	4	,,	3.44	.05	,,	
		,,	,,	,,	4	,,	3.45	.05	3 in 2	
		,,	,,	,,	4	,,	3.52	.05	1 in 1	
		,,	,,	,,	5	,,	3.53	.05	,,	
		,,	,,	,,	8	,,	3.54	.05	,,	
		,,	,,	,,	10	,,	3.55	.05	1 in 2	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1860.

Barometer corrected to 32° Fhar.	Temperature of Air.	Wind. Direction.	Wind. Force in lbs.	Extent of Cloudy Sky.	Remarks.
In.	°		lbs.		
		NW	0.2	cirro	Overcast; drizzling rain; occasional thunder.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
69·100	85·3	NW b N	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		WNW	0.3	cirro	Overcast with cirri, moving NE.
		,,	,,	,,	
		,,	,,	,,	
29·662	79·3	W b N	0.1	,,	
		,,	,,	,,	
		,,	,,	,,	
		W	,,	,,	
		,,	,,	,,	
·704	82·5	WNW	0.2	cirro	Densely clouded with heavy masses of cirri; thunder about zenith; fresh breezes of wind.
		NW	0.3	,,	
		NW b N	0.5	,,	
		,,	1.0	,,	
		,,	2.0	,,	
		NW	2.5	,,	
		WNW	2·5	,,	
		,,	2.5	,,	
		,,	1.5	,,	
		,,	1.5	,,	
		,,	1.5	,,	
		,,	1.0	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	0.5	,,	
29·704	79·4	,,	,,	,,	
29·697	80·0	N	0·1	cirro	Overcast; occasional thunder in E; vivid lightning in E and NE; heavy rain. The normal curve of Barometer was gradually decreasing since the last week. An abrupt change in the direction of wind, but not accompanied with any strong wind. Electrometer was only affected about the time of lightning.
		,,	,,	,,	
		,,	,,	,,	
		SSW	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
29·728	88·2	ENE	3·0	cirro	Overcast with cirri and dense cirro; wind Easterly; distant thunder heard in NE; heavy puffs of wind from E, accompanied with light drops of rain.
		,,	3·0	,,	
		,,	3·0	,,	
		NE b E	2·5	,,	
		,,	2·0	,,	
		,,	1·5	,,	
		,,	1·5	,,	
		,,	1·5	,,	
		,,	1·0	,,	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1860.

Date.	Bombay Mean Solar Time, or Limits of Time, 1860.	Sign of Electricity by Gold L. El.	Reading of Electrometers. Volta (1).	Volta (2).	Henly.	Time of Recovery after Discharge.	Ronald's Spark Measure. Time of Observation or Occurrence of Spark.	Length of Spark.	Corresponding frequency.	Time of Maximum Tension.
			Scale.	Scale.	°	M. S.	H. M.	In.	Sp. Sec.	H. M.
15TH Oct.	From 3h 39m P. M. to 4h 11m P. M.	Neg.	Out of Scale.	Out of Scale.	14	Inst.	3.57	0.05	1 in 1	3.57
		,,	,,	,,	12	,,	3.59	.08	1 in 3	
		,,	,,	,,	12	,,	4.02	.07	1 in 1	
		,,	,,	,,	12	,,	4.03	.08	1 in 2	
		,,	,,	,,	4	,,	4.07	.05	,,	
		,,	,,	,,	3	,,	4.10	.04	,,	
		,,	,,	,,	2	,,	4.11	.03	1 in 4	
16TH Oct.	From 7h 40m P. M. 8h 41m P. M.	Neg.	Out of Range.	Out of Range.	6	Inst.	7.09	0.04	2 in 1	
		,,	,,	,,	6	,,	.35	.05	1 in 2	
		,,	,,	,,	8	,,	.37	.07	1 in 1	
		,,	,,	,,	8	,,	.40	.07	1 in 2	
		,,	,,	,,	6	,,	.44	.05	1 in 1	
		,,	,,	,,	10	,,	.48	.08	,,	
		,,	,,	,,	9	,,	.49	.08	,,	
		,,	,,	,,	7	,,	.53	.06	1 in 2	
		,,	,,	,,	9	,,	.55	.07	,,	
		,,	,,	,,	7	,,	8.00	.09	1 in 1	
		,,	,,	,,	6	,,	.05	.07	2 in 1	
		,,	,,	,,	8	,,	.08	.10	1 in 1	
		,,	,,	,,	10	,,	.09	.12	2 in 1	
		,,	,,	,,	10	,,	.11	.12	4 in 1	
		,,	,,	,,	10	,,	.13	.13	6 in 1	
		,,	,,	,,	12	,,	.16	.14	3 in 1	
		,,	,,	,,	14	,,	.19	.18	8 in 1	
		,,	,,	,,	15	,,	.21	.18	4 in 1	8.21
		,,	,,	,,	11	,,	.23	.15	,,	
		,,	,,	,,	10	,,	.24	.14	3 in 1	
		,,	,,	,,	12	,,	.25	.14	,,	
		,,	,,	,,	12	,,	.26	.15	2 in 1	
		,,	,,	,,	8	,,	.28	.11	,,	
		,,	,,	,,	8	,,	.30	.10	4 in 1	
		,,	,,	,,	8	,,	.31	.09	2 in 1	
		,,	,,	,,	7	,,	.32	.08	,,	
		,,	,,	,,	3	,,	.34	.04	1 in 1	
		,,	,,	,,	6	,,	.39	.07	2 in 1	
		,,	18	20	0	0.02	.41			
	From 8h 42m to 9h 9m P. M.	Neg.	Out of Scale.	Out of Scale.	3	Inst.	8.42	0.04	1 in 1	
		,,	,,	,,	6	,,	.43	.08	3 in 1	
		,,	,,	,,	5	,,	.44	.08	2 in 1	
		,,	,,	,,	7	,,	.47	.09	Many	
		,,	,,	,,	9	,,	.48	.10	,,	8.48
		,,	,,	,,	7	,,	.49	.10	3 in 1	
		,,	,,	,,	8	,,	.51	.10	4 in 1	
		,,	,,	,,	7	,,	.52	.10	,,	
		,,	,,	,,	6	,,	.53	.10	,,	
		,,	,,	,,	6	,,	.54	.10	,,	
		,,	,,	,,	6	,,	.55	.08	3 in 1	
		,,	,,	,,	6	,,	.57	.10	Many	
		,,	,,	,,	8	,,	.58	.10	,,	
		,,	,,	,,	8	,,	9.00	.07	4 in 1	
		,,	,,	,,	7	,,	.03	.06	,,	
		,,	,,	,,	5	,,	.04	.07	2 in 3	
		,,	,,	,,	5	,,	.05	.06	,,	
		,,	,,	,,	4	,,	.07	.05	,,	
		,,	,,	50		0.01	.09			

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1860.

Barometer corrected to 32° Fhar.	Temperature of Air.	Wind. Direction.	Wind. Force in lbs.	Extent of Cloudy Sky.	Remarks.
			lbs.		
		NE b E	0·5	zero	
		,,	,,	,,	
		,,	,,	,,	Light breezes with slight drops of rain.
		,,	,,	,,	
29·734	83·0	,,	,,	,,	The squall seems to have commenced at 3h. 20m. and ceased at 3h. 55m. P. M., the force of wind being about 4 or 5 lbs. at the beginning of the squall.
		,,	,,	,,	
		,,	,,	,,	
29·837	74·2	NE b E	0·5	zero	
		ENE	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	A single instance of Extraordinary Electricity at 7h. 9m. P. M.
		,,	,,	,,	
		,,	,,	,,	The force of wind was very strong between 6h. 26m. to 6h. 52m. during some of the strongest puffs it was as high as 16 lbs. this storm lasted for about a quarter of an hour; the display of lighting and thunder was very remarkable.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
·833	77·2	,,	,,	,,	
		,,	,,	,,	
		NE b E	0·3	,,	
		,,	0·2	,,	
		,,	0·6	,,	Overcast; lightning and thunder with slight rain.
		E b N	0·7	,,	
		,,	,,	,,	
		,,	0·4	,,	
		ENE	,,	,,	
		,,	,,	,,	
		NE	0·6	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Thunder and lightning about zenith; light rain.
		,,	0·8	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		NE b E	1·0	,,	
		,,	1·0	,,	
		,,	,,	,,	
		E	,,	,,	
		,,	0·5	,,	
		,,	0·3	,,	
		,,	,,	,,	Overcast with ∿∿; raining slightly.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		E b N	0·2	,,	
		,,	,,	,,	
		,,	,,	,,	
29·829	75·4	,,	,,	,,	Overcast with ∿∿; no rain.
		ENE	,,	,,	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1860.

Date.	Bombay Mean Solar Time, or Limits of Time, 1860.	Sign of Electricity by Gold L. El.	Reading of Electrometers. Volta (1).	Volta (2).	Henly.	Time of Recovery after Discharge.	Ronald's Spark Measure. Time of Observation or Occurrence of Spark.	Length of Spark.	Corresponding frequency.	Time of maximum Tension.
			Scale.	Scale.	o	M. S.	H. M. A. M.	In.	Sp. Sec.	H. M.
16th Oct.	From 9h 13m P. M. to 9h 41m P. M.	Neg.	Out of Scale.	Out of Scale.	5	Inst.	9.13	0.06	1 in 1	
		,,	,,	,,	6	,,	.14	.08	2 in 2	
		,,	,,	,,	6	,,	.15	.08	2 in 2	
		,,	,,	,,	6	,,	.16	.08	,,	
		,,	,,	,,	6	,,	.17	.08	,,	
		,,	,,	,,	6	,,	.19	.08	1 in 1	
		,,	,,	,,	7	,,	.20	.08	1 in 2	
		,,	,,	,,	9	,,	.22	.10	1 in 1	9.22
		,,	,,	,,	7	,,	.23	.08	2 in 1	
		,,	,,	,,	7	,,	.24	.09	,,	
		,,	,,	,,	6	,,	.26	.08	1 in 1	
		,,	,,	,,	6	,,	.27	.08	,,	
		,,	,,	,,	6	,,	.28	.08	3 in 2	
		,,	,,	,,	6	,,	.30	.08	,,	
		,,	,,	,,	6	,,	.31	.08	1 in 1	
		,,	,,	,,	6	,,	.32	.07	2 in 1	
		,,	,,	,,	6	,,	.34	.07	,,	
		,,	,,	,,	5	,,	.35	.06	,,	
		,,	,,	,,	5	,,	.37	.05	,,	
		,,	,,	,,	6	,,	.39	.06	3 in 2	
		,,	,,	,,	5	,,	.40	.04	1 in 2	
		,,	,,	,,	1	,,	.41	.01	,,	
17th Oct.	From 6h 35m to 6h 38m P. M.	Neg.	Out of Scale.	Out of Scale.	5	Inst.	6.35	0.05	3 in 2	6.35
		,,	,,	,,	3	,,	.36	.03	1 in 1	
		,,	,,	,,	3	,,	.37	.03	1 in 3	
		,,	4	,,	0	0.10	.38			
18th Oct.	From 9h 16m P. M. to 9h 44m P. M.	Neg.	Out of Scale.	Out of Scale.	7	Inst.	9.16	0.08	3 in 1	
		,,	,,	,,	6	,,	.17	.08	,,	
		,,	,,	,,	6	,,	.18	.08	,,	
		,,	,,	,,	6	,,	.22	.07	2 in 1	
		,,	,,	,,	7	,,	.24	.09	,,	
		,,	,,	,,	6	,,	.25	.10	,,	
		,,	,,	,,	6	,,	.26	.11	,,	
		,,	,,	,,	10	,,	.27	.13	,,	
		,,	,,	,,	11	,,	.29	.14	1 in 1	
		,,	,,	,,	18	,,	.31	.20	3 in 1	9.31
		,,	,,	,,	9	,,	.33	.10	,,	
		,,	,,	,,	6	,,	.34	.10	2 in 3	
		,,	,,	,,	7	,,	.35	.10	1 in 1	
		,,	,,	,,	6	,,	.37	.08	1 in 2	
		,,	,,	,,	4	,,	.38	.06	2 in 5	
		,,	,,	,,	4	,,	.40	.05	1 in 2	
		,,	,,	,,	4	,,	.41	.05	,,	
		,,	,,	,,	1	,,	.43	.01	A spark.	
	From 9h 50m to 9h 52m P. M.	,,	10	10		0.06	.44			
		,,	,,	,,	5	Inst.	9.50	0.05	5 in 2	9.50
		,,	,,	,,	4	,,	.51	.04	1 in 1	
		,,	,,	60	0	0.06	.52			
19th Oct.	From 0h 48m to 0h 59m P. M.	Neg.	Out of Scale.	Out of Scale.	8	Inst.	0.48	0.07	1 in 1	
		,,	,,	,,	6	,,	.50	0.06	,,	
		,,	,,	,,	12	,,	.51	0.10	3 in 1	0.51

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1860.

Barometer corrected to 32° Fahr.	Temperature of Air.	Wind. Direction.	Wind. Force in lbs.	Extent of Cloudy Sky.	Remarks.
			lbs.		
29·829	75·4	ENE	0·2	8	Overcast with ∿ı; no rain.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	0·1	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		NE b E	0·2	8/8	Overcast with ∿ı; lightning in E, SE, and S hor.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
29·763	83·6	NW	0·1	8/8	Densely clouded with ∿ı and other heavy clouds.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
29·869	81·0	ESE	1·0	8/8	Overcast with ∿ı; continuous lightning and thunder.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		S	0·3	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		Calm.	0·0	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
·840	8·03	,,	,,	,,	Overcast with dense ∿ı.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		Calm.	0·0	8/8	Overcast with ∿ı; drizzling rain.
		,,	,,	,,	
		,,	,,	,,	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1860.

Date.	Bombay Mean Solar Time, or Limits of Time, 1860.	Sign of Electricity by Gold L. El.	Reading of Electrometers. Volta (1).	Volta (2).	Henly.	Time of Recovery after Discharge.	Ronald's Spark Measure. Time of Observation or Occurrence of Spark.	Length of Spark.	Corresponding frequency.	Time of maximum Tension.
			Scale.	Scale.	°	M. S.	H. M.	In.	Sp. Sec.	H. M.
19th Oct.	From 0h 48m to 0h 59m P. M.	Neg.	Out of Scale.	Out of Scale.	8	Inst.	0 52	0.06	2 in 1	0.51
		,,	,,	,,	6	,,	.54	.06	1 in 2	
		,,	,,	,,	6	,,	.56	·06	1 in 1	
		,,	,,	,,	6	,,	.58	.05	1 in 3	
		,,	,,	,,	4	,,	.59	.02	1 in 2	
	From 5h 20m P. M. to 5h 41m P. M.	Neg.	Out of Scale.	Out of Scale.	1	Inst.	5.20	.02	1 in 1	
		,,	,,	,,	1	,,	.21	.02	,,	
		,,	,,	,,	1	,,	.22	.02	,,	
		,,	,,	,,	1	,,	.23	.02	,,	
		,,	,,	,,	1	,,	.24	.02	,,	
		,,	,,	,,	1	,,	.25	.02	,,	
		,,	,,	,,	1	,,	.26	.02	,,	
		,,	,,	,,	1	,,	.27	.02	,,	
		,,	,,	,,	1	,,	.28	.02	,,	
		,,	,,	,,	1	,,	.29	.02	,,	
		,,	,,	,,	1	,,	.30	.02	,,	
		,,	,,	,,	1	,,	.31	.02	,,	
		,,	,,	,,	3	,,	.32	.05	,,	
		,,	,,	,,	1	,,	.33	.01	Slight.	
		,,	,,	50	0	,,	.34			
		,,	,,	Out of Scale.	4	,,	.35	.05	1 in 1	
		,,	,,	,,	6	,,	.36	.07	,,	5.36
		,,	,,	,,	5	,,	.37	.06	2 in 1	
		,,	,,	,,	2	,,	.38	.03	,,	
		,,	,,	,,	2	,,	.39	.03	,,	
		,,	,,	,,	2	,,	.40	.02	,,	
		,,	,,	,,	2	,,	.41	.02	Several.	
	From 5h 55m P. M. to 7h 54m P. M.	Neg.	Out of Scale.	Out of Scale.	5	Inst.	5.55	.05	1 in 1	
		,,	,,	,,	5	,,	.57	.05	,,	
		,,	,,	,,	7	,,	.59	.10	,,	
		,,	,,	,,	5	,,	6.00	.05	,,	
		,,	,,	,,	6	,,	.01	·08	2 in 1	
		,,	,,	,,	6	,,	.02	·08	,,	
		,,	,,	,,	8	,,	.04	·10	3 in 1	
		,,	,,	,,	12	,,	.05	.14	4 in 1	
		,,	,,	,,	12	,,	.07	.14	,,	
		,,	,,	,,	7	,,	.09	.10	,,	
		,,	,,	,,	7	,,	.11	.10	3 in 1	
		,,	,,	,,	14	,,	.14	·15	Many.	6.14
		,,	,,	,,	13	,,	.16	.12	,,	
		,,	,,	,,	9	,,	.18	.10	,,	
		,,	,,	,,	7	,,	·20	.10	4 in 1	
		,,	,,	,,	8	,,	.22	.13	3 in 1	
		,,	,,	,,	10	,,	.25	.12	,,	
		,,	,,	,,	10	,,	.28	.12	1 in 1	
		,,	,,	,,	10	,,	.29	.14	,,	
		,,	,,	,,	8	,,	·30	·10	2 in 1	
		,,	,,	,,	8	,,	.31	.10	1 in 1	
		,,	,,	,,	8	,,	.33	.10	5 in 1	
		,,	,,	,,	7	,,	.38	·09	3 in 1	
		,,	,,	,,	7	,,	.39	.09	,,	
		,,	,,	,,	7	,,	.40	.09	,,	
		,,	,,	,,	7	,,	.41	.09	,,	
		,,	,,	,,	8	,,	.42	·08	,,	
		,,	,,	,,	4	,,	.47	.08	2 in 1	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1860.

Barometer corrected to 32° Fahr.	Temperature of Air.	Wind. Direction.	Wind. Force in lbs.	Extent of Cloudy Sky.	Remarks.
			lbs.		
		Calm	0.0	8	
		,,	,,	,,	
		,,	,,	,,	Overcast with ; drizzling rain.
		,,	,,	,,	
29.785	78.4	,,	,,	,,	
29.820	85.0	NW b N	1.0	8	
		,,	,,	,,	
		,,	,,	,,	
		N	0.7	,,	
		,,	,,	,,	Overcast; lightning and thunder about 2th.; light rain.
		,,	,,	,,	
		NE	0.5	,,	
		,,	,,	,,	
		,,	,,	,,	
		E	0.8	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		ENE	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Clouded as before.
		,,	,,	,,	
		,,	,,	,,	
		E b N	0.3	,,	
		,,	,,	,,	
		,,	,,	,,	
29.830	76.0	,,	,,	,,	
		E b N	0.3	8	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
29.832	76.8	,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Overcast with heavy clouds; lightning in NE; occasional thunder.
		,,	,,	,,	
		ENE	0.2	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1860.

Date.	Bombay Mean Solar Time, or Limits of Time, 1860.	Sign of Electricity by Gold L. El.	Reading of Electrometers. Volta (1).	Volta (2).	Henly.	Time of Recovery after Discharge.	Ronald's Sparks Measure. Time of Observation or Occurrence of Spark.	Length of Spark.	Corresponding frequency.	Time of Maximum Tension.
			Scale.	Scale.	°	M. S.	H. M.	In.	Sp. Sec.	H. M.
19th Oct.	From 5h 55m P. M. to 7h 54m P. M.	Neg.	Out of Scale.	Out of Scale.	10	Inst.	6.49	0.10	1 in 1	6.14
		,,	,,	,,	8	,,	.51	.09	2 in 1	
		,,	,,	,,	7	,,	.53	.09	1 in 1	
		,,	,,	,,	7	,,	.54	.08	2 in 1	
		,,	,,	,,	6	,,	.56	.07	3 in 1	
		,,	,,	,,	8	,,	.58	.09	2 in 1	
		,,	,,	,,	9	,,	7.00	.10	4 in 1	
		,,	,,	,,	9	,,	.02	.10	1 in 1	
		,,	,,	,,	10	,,	.04	.10	2 in 1	
		,,	,,	,,	12	,,	.05	.12	1 in 1	
		,,	,,	,,	14	,,	.06	.13	2 in 1	
		,,	,,	,,	14	,,	.07	.14	3 in 1	7.07
		,,	,,	,,	14	,,	.09	.14	2 in 1	
		,,	,,	,,	11	,,	.10	.11	,,	
		,,	,,	,,	14	,,	.11	.12	1 in 1	
		,,	,,	,,	14	,,	.13	.12	2 in 1	
		,,	,,	,,	12	,,	.14	.10	1 in 1	
		,,	,,	,,	12	,,	.15	.10	,,	
		,,	,,	,,	10	,,	.17	.08	,,	
		,,	,,	,,	10	,,	.19	.09	,,	
		,,	,,	,,	10	,,	.20	.08	,,	
		,,	,,	,,	4	,,	.22	.04	,,	
		,,	,,	,,	4	,,	.23	.05	,,	
		,,	,,	,,	6	,,	.25	.06	,,	
		,,	,,	,,	8	,,	.26	.07	2 in 1	
		,,	,,	,,	7	,,	.28	.08	3 in 1	
		,,	,,	,,	6	,,	.30	.07	2 in 1	
		,,	,,	,,	8	,,	.32	.08	4 in 1	6.32
		,,	,,	,,	4	,,	.36	.06	2 in 1	
		,,	,,	,,	6	,,	.38	.06	3 in 1	
		,,	,,	,,	6	,,	.40	.06	2 in 1	
		,,	,,	,,	5	,,	.43	.04	4 in 1	
		,,	,,	,,	4	,,	.44	.05	2 in 1	
		,,	,,	,,	4	,,	.45	.05	,,	
		,,	,,	,,	5	,,	.46	.06	1 in 1	
		,,	,,	,,	6	,,	.47	.07	1 in 3	
		,,	,,	,,	4	,,	.48	.05	2 in 5	
		,,	,,	,,	5	,,	.50	.06	1 in 2	
		,,	,,	,,	5	,,	.51	.06	1 in 4	
		,,	,,	,,	2	,,	.53	.04	1 in 2	
		,,	,,	20		0.06	.54			

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1860.

Barometer corrected to 32° Fhar.	Temperature of Air.	Wind. Direction.	Wind. Force in lbs.	Extent of Cloudy Sky.	Remarks.
In.	°		lbs.		
29·832	76.8	E b N	0·3	8	Overcast with heavy clouds; lightning in NE; occasional thunder.
		,,	,,	,,	
		ENE	1·0	8	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		Calm.	0·0	,,	
		,,	,,	,,	
		,,	,,	,,	
29·829	77·6	,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Overcast with heavy clouds; lightning in NE.
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		ENE	1·0	8	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Overcast with ∿ı; lightning and thunder in S.
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BOMBAY GOVERNMENT OBSERVATORY.

ABSTRACT OF THE RESULTS

OF THE

METEOROLOGICAL OBSERVATIONS.

1860.

BOMBAY METEOROLOGICAL OBSERVATIONS.

METEOROLOGICAL RESULTS.

The following Meteorological elements are comprised under this head :—

1. Barometric Pressure.
2. Temperature of the Air and Ground.
3. Hygrometric State of the Air.
4. Direction and Force of Wind.
5. State of the Weather.

Barometric Pressure.—This element was determined by means of two Standard Barometers (Nos. 58 and 48) by Newman, which were on all occasions observed simultaneously throughout the year. The difference between the Scale Readings of both Baromoters is 0·013 in., which remains nearly constant, consequently the observations of Barometer No. 48 are not printed, nor any results found from them, except the mean monthly values of the same in Table I. of Meteorological Introduction, which will show, at a glance, the movements of them both. Barometer No. 48 serves only as a check on the observations of Barometer No. 58, whose results are fairly drawn out.

Temperature of the Air and Ground.—This element was determined by means of six Thermometers, which were placed in situations differing from one another, in order that all the changes which the Temperature undergoes, arising from different situations, might be accurately determined.

Hygrometric State of the Air.—Under this head are classed the Temperature of Evaporation; Temperature of Dew-Point; Pressure of Moisture; Humidity of Air; Weight of a cubic foot of Air; Weight of Water in a cubic foot of Air; Weight of Vapour required for complete Saturation of a cubic foot of Air; and quantity of water actually evaporated in the Atmosphere. Of all these, the only one actually observed, has been the Temperature of Evaporation (Wet Bulb), and the others were calculated by tables given in the introduction to this Part.

Direction and Force of Wind.—These elements were deduced from the self-registered curves of Osler's Wind Anemometer and Lynd's Wind Gauge.

State of the Weather.—Under this head are set down the prevailing Clouds in different seasons; the portion of the cloudy Sky at particular times; fall of Rain; and all Storms, such as lightning, thunder, and wind.

TABLE I.—*Showing, in the Month of January and February, the Mean Daily Value of*

Month	Days of the Month	Phases of the Moon	Barometer No. 58 corrected to 32° Fahrenheit.			Reading of Air Thermometers.									Ground Thermometers.				Mean daily Value of Hygrome-				
						Thermometer in External and Air.			Wet Bulb Thermometer.			Difference between Wet Bulb Temperature and the Air Temperature.											
			Greatest.	Least.	Daily Range.	Greatest.	Least.	Daily Range.	Greatest.	Least.	Daily Range.	Greatest.	Least.	Mean daily Value.	Under the Surface of the Ground 1 inch.	Thermometer whose Bulb is 9 inches below the surface of ground.	Thermometer whose Bulb is 30 inches below the surface of ground.	Thermometer whose Bulb is 60 inches below the surface of ground.	Dew-point.	Pressure of Moisture.	Humidity of Air. Saturation = 1·00.	Weight in Grains of a Cubic Foot of Air.	Weight in Grains of Vapour in a Cubic Foot of Air
			in.	in.	in.	°	°	°	°	°	°	°	°	°	°	°	°	°	°	in.		grs.	grs.
JANUARY 1860.	1																						
	2																						
	3		29·990	29·860	0·130	79·2	63·6	15·6	67·5	58·3	9·2	13·2	3·3	7.2	70·8	73·2	78·5	82·3	59·1	0·508	0.69	514	5 6
	4	●	·987	·873	·114	83·3	65·4	17·9	72·0	60·6	11·4	20·9	1·4	6·9	71·8	74·2	78·2	82·4	61·5	·550	·70	512	6·2
	5		30·028	·889	·139	80·7	64·0	16·7	70·6	61·0	9·6	12·7	2·7	6·4	71·6	74·1	78.0	82·2	61·8	·556	·72	513	6·2
	6	Gtst. N. Dec.	·062	·880	.182	78·3	65·3	13·0	70·7	62·6	8·1	9·0	1·7	4·6	71·3	74·1	77·9	82·1	63·8	·593	·79	515	6·6
	7		29·987	·878	·109	76·6	64·6	12·0	70·4	63·0	7·4	7·6	1·1	4·2	70·7	73·9	77·8	82·2	64·0	·592	·81	515	6·6
	8	○																					
	9	Perigee.	30·019	·890	·129	80·6	64·8	15·8	73·2	62·2	11·0	12·4	2·2	5·5	72·2	74·2	77·7	82·0	63·7	·597	·76	513	6·6
	10		29·988	·871	.117	80·8	65·0	15·8	72·0	60·0	12·0	8.8	3·3	5·6	72·3	74·4	77·5	81·8	63·7	·594	·76	512	6·9
	11		·971	·864	·107	88·0	69·3	18·7	72·4	63·3	9·1	21·0	3·6	9·2	74·7	75·1	77·5	81·7	61·7	·554	·64	508	6 1
	12	Eq.	·999	·886	·113	87·5	68·7	18·8	74·0	64·0	10·0	21·1	2·7	8·3	75·0	75·7	77·5	81·7	63·1	·581	·68	509	6·4
	13		30·057	·931	·126	83·6	67·8	15·8	73·5	64·2	9·3	13·6	2·0	6·4	73·6	75·3	77.4	81·6	64·0	·598	·74	510	6·6
	14	☾	·068	·943	·125	78·9	66·8	12·1	70·0	63·8	6·2	10·0	1·8	5·0	72·6	75·1	77.4	81·5	64·5	·608	·78	514	6·8
	15																						
	16		·048	.911	.137	78·4	64·2	14·2	70·0	59·2	10·8	10·0	2·0	5·6	71·5	74·3	77·5	82·0	62·8	·575	·75	515	6·4
	17		·050	·913	·137	80·9	66·8	14·1	71·0	64·1	6·9	11·9	2·0	5·3	73·1	74·8	77·5	82·0	65·4	·625	·78	512	6·8
	18		·008	·869	·139	80·3	68·3	12·0	71·4	64·4	7·0	10·7	1·9	5·6	73·1	74·9	77·5	82·0	65·0	·618	·77	510	6·8
	19	Gtst. S Dec.	·029	·882	·147	80·7	66.0	14·7	72·0	61·0	11·0	11·2	2·8	6·1	73·3	75·1	77·3	81·7	64·3	·604	·75	511	6·6
	20		·019	·914	·105	80·3	66.6	13·7	72·0	62·2	9·8	11.4	2·1	5·7	72·8	75·0	77·2	81·2	64·4	·606	·76	512	6·6
	21		·047	·917	·130	78·4	68·0	10·4	71·0	66·5	4·5	9·0	1·3	4·4	72·7	74·9	77·2	81·1	66·1	·640	·81	512	7·0
	22	●																					
	23		·082	·968	·114	75·2	66.0	9·2	67·0	60·0	7·0	9·6	2·8	5·9	70·9	74·5	77.3	81·2	61·3	·547	.74	516	6·0
	24		·055	·935	·120	76·6	59·6	17·0	65·4	52·0	13·4	14·4	6·0	9·2	68·2	72·7	77·0	81·0	52·8	·405	·60	519	4·6
	25	Apogee.	·057	·937	·120	82·5	64.0	18·5	71·0	56·0	15·0	16·0	4·0	7·9	71·8	73·3	77·0	81·0	60·0	·523	·67	514	5·8
	26	Eq.	·044	·917	·127	80·5	66·0	14·5	72·2	59·2	13·0	10·2	4·6	6·6	72·7	74·1	76·9	81·0	62·9	·577	·72	512	6·4
	27		·004	·892	·112	82·3	66·8	15·5	73·4	60·0	13·4	11·1	4·8	7·1	72·9	74·5	76·9	81·0	62·4	·567	·70	512	6·2
	28		·006	·902	·104	79·2	65.0	14·2	67·2	56·4	10·8	12·7	3·4	9·0	72·1	74·4	76·9	81·0	58·0	·490	·63	513	5·4
	29																						
	30	☽	·019	·896	·123	78·4	63·8	14·6	67·4	55·0	12·4	12·6	5·4	9.4	70·4	73·4	76·8	80·9	55·5	·448	·60	515	5·0
	31		·003	·873	·130	77·8	63·4	14·4	68·4	55·5	12·9	13·4	4·5	8·2	70·4	73.2	76·6	80·8	57·1	·475	·65	515	5·2
FEBRUARY 1860.	1		29·973	·849	·124	77·2	63·4	13·8	69·4	57·3	12·1	12·2	3·6	6·7	70·4	73·1	76·6	80·7	59·7	·519	·71	514	5·8
	2	Gtst. N Dec.	·966	·839	·127	78·0	64·0	14·0	69·3	60·0	9·3	11·0	2·4	5·9	71.1	73·2	76·5	80·7	62·0	·560	·75	514	6·2
	3		·972	·869	·108	79·5	65·4	14·1	69·0	62·6	6·4	11·0	2·8	7·3	72·0	73·7	76·3	80·6	61·0	·542	·70	512	6·0
	4		·997	·848	·149	79·2	66·7	12·5	70·0	58·0	12 0	13·5	4·0	7·6	72·7	73·8	76·4	80·6	61·4	·548	·68	511	6.0
	5																						
	6	○	.974	·835	.139	80·4	68·9	11·5	72·8	62·0	10·8	12·6	4·0	6·9	74·1	74·6	76·8	80·5	64·2	·602	·72	509	6·6
	7	Perigee.	·982	·853	·129	79·5	70 2	9,3	71·0	65·4	5·6	10·1	2·6	5 8	74·3	75·2	76·9	80·5	65·8	635	·76	509	7·0
	8	Eq.	·996	·839	·157	81·5	68·0	13·5	73·2	65·0	8·2	9·8	1·0	5·2	74·3	75·4	77·0	80·5	67·2	·664	·79	509	7·2
	9		·936	·816	·120	81·7	68·5	13·2	73·7	63·0	10·7	9·9	2·1	5·9	74·4	75·5	77·0	80·5	66·1	·640	·76	508	7·0
	10		·940	·812	·128	81·7	67·9	13.8	72·7	62·5	10·2	12·6	1·4	6·9	74.6	75·7	76·8	80·4	64·8	·613	·72	508	6·8
	11		·929	·809	·120	83·7	70·5	13 2	75·0	63·5	11·5	12·4	3·8	7·2	75·8	76·1	77·0	80·4	66·0	·639	·71	506	7·0
	12																						
	13	☾	·905	·750	·155	91·5	71·9	19·6	77·0	68·9	8·1	20·5	1·6	6.3	77·5	77·2	77·6	80·6	69·3	·710	·76	504	7·7
	14		·867	·749	·118	82·8	72·6	10·2	74·3	70·0	4·3	8·5	1·2	4.4	76·6	77·5	77·9	80·6	70·4	·737	·82	505	7·9
	15	Gtst. S Dec.	·929	·820	·109	82·4	71·8	10·6	75·2	70·0	5·2	8·1	0·8	4.0	75·6	77·1	78·3	80·6	70·1	·730	·83	507	7·9
	16		·978	·848	·130	82·5	71·4	11·1	73·4	69·9	3·5	10·2	1·4	5·0	75·6	76·9	78·4	80·6	68 8	·700	·80	508	7·7
	17		30·028	·898	·130	81·4	70·4	11·0	72 4	69·0	3·4	9·4	1·4	5·1	75·2	76·8	78·4	80·6	68·1	·683	·79	509	7·4
	18		29·985	·839	·146	83·6	70·7	12·9	73·0	65·5	7·5	12·2	2·4	7·9	76·0	76·8	78·4	80·5	65·2	·622	·69	507	6·8
	19																						
	20																						
	21	●	·877	·757	·120	84·8	72·4	12·4	77·4	65·7	11·7	11·0	3·8	6·4	77·6	77·9	78·5	80·6	69·0	·703	·74	504	7·7
	22	Apogee.	·861	·747	·114	83·3	75·0	8·3	75·8	68·4	7·4	11·0	2·0	6·0	77·8	78·2	78·7	80·7	69·7	·721	·76	504	7·9
	23	Eq.	·899	·774	·125	81·2	72·3	8·9	73·0	67·7	5·3	9·0	1·5	5·4	76·1	77·7	78.8	80·8	68·3	·689	·78	506	7·4
	24		·926	·813	·113	81·8	71·8	10·0	72·0	67·6	4·4	11·4	2·1	6·4	75·6	77·3	78·9	80·8	66·6	·650	·73	507	7·2
	25		·973	·832	·141	80·6	70·6	10·0	71·6	67·0	4·6	9·2	3·1	5·9	74·8	76·8	79·0	80·9	66·2	·642	·75	509	7·0
	26		·911	·790	·121	83·6	70·8	12·8	75·0	67·4	7·6	10·0	1·9	5·0	75·6	76·8	79·0	80·9	68·7	·698	·79	508	7·7
	27																						
	28		·961	·840	·121	82 0	70·6	11·4	75·0	69·0	6·0	7·8	0·9	3·8	75·5	76·9	79·1	81·0	70·5	·738	·84	508	8·1
	29	☽	·932	·809	·123	83·0	71·0	12·0	74·5	70.5	4·0	9·8	0·5	4·9	76·4	77·3	79·1	81·0	70·1	·730	·80	506	7·9

all the Meteorological Observations, and the Daily Changes in the state of the Weather.

tric Deductions. Weight in Grains required for complete Saturation of a Cubic Foot of Air.	Quantity of Water actually evaporated in the Air.	Pressure of supposed Dry Air.	Rain: inches by Newman's Gauge.	Wind. Direction. From Midnight to Noon.	Wind. Direction. From Noon to Midnight.	Wind. Force in Pounds on a square foot. Greatest.	Least.	Daily Range.	Atmospheric Electricity.	Extent of Cloudy Sky.	Clouds and Weather. Notation used: ∖i cirri; ∨∖i cirro-cumuli; ∩i cumuli; ∖_i cirro-strati; and ∨∖_i nimbi; direction of wind by initial letters; hor., horizon. A. M.	P. M.
grs.	in.	in.	in.			lb.	lb.	lb.				
2·6	0·233	29·404	none	E	NNW	0·3	0·2	0·1	Sp.	0·7	A few ∖i, misty, and foggy.	Patches of ∨∖i and ∖i; dew.
2·3	·232	·370	,,	NE	NW	0·4	0·0	0·4	,,	0·1	A few ∖i, misty, dew, and foggy.	∖i and dew.
2·3	·215	·389	,,	calm & NNE	WNW NNW	0·6	0·0	0·6	,,	..	,, ,,	A few ∖i and dew.
0·6	·154	·355	,,	calm	WNW & NW	1·3	0·0	1·3	mod.	..	A few ∖i, misty, foggy, and dew.	,, ,,
1·4	·138	·323	,,	,,	NW	1·0	0·0	1·0	,,	0·5	,, ,,	∖i along E hor.
1·9	·189	·351	,,	,,	,,	1·5	0·0	1·5	weak	..	Misty, foggy, and dew.	A few ∖i in S hor. at 2 P. M.
1·9	·193	·329	,,	NNW	,,	1·0	0·1	0·9	,,	..	Misty and foggy.	Cloudless.
3·5	·328	·357	,,	NNE	,,	0·8	0·1	0·7	mod.	..	Misty, foggy, and dew.	,,
3·2	·296	·356	,,	ENE	WNW	0·6	0·0	0·6	Sp.	0·1	A few ∖i, misty, foggy, and dew.	A few ∖i and dew.
2·4	·224	·384	,,	calm	W	0·3	0·0	0·3	,,	..	A few ∖i in E at sunrise; misty, foggy, and dew.	Dew at night.
1·7	·173	·387	,,	calm & NE	NW	1·0	0·0	1·0	weak	..	Misty, foggy, and dew.	,,
1·8	·188	·394	,,	calm & NNE	,,	0·6	0·0	0·6	,,	..	Pieces of clouds in W at 10 A.M.; misty, foggy, & dew.	Dew at night.
2·0	·186	·347	,,	calm	W & NW	0·4	0·0	0·4	mod.	..	A few ∖i in WNW at 9 A. M.; misty, foggy, & dew.	∖i and dew.
2·2	·197	·311	,,	calm & NE	NW	0·4	0·0	0·4	,,	..	A few ∖i in S, at 9 A. M.; misty, foggy, and dew.	A few ∖i in ESE at 1 P. M.
2·4	·213	·339	,,	calm	WNW	1·2	0·0	1·2	Sp.	1·5	∖i, misty, foggy, and dew.	∖i and dew.
2·2	·196	·352	,,	,,	NW	1·7	0·0	1·7	weak	0·2	,, ,,	A few ∖i and dew.
1·8	·153	·325	,,	,,	WNW	0·5	0·0	0·5	,,	1·6	∖i, scud, misty, foggy, and dew.	∖i, scud, and dew.
2·2	·194	·465	,,	N	NW	2·5	0·0	2·5	mod.	4·3	∖i and ∨∖i; misty, foggy, and dew.	∖i, motion NE.
2·9	·283	·582	,,	NNW	,,	1·4	0·1	1·3	,,	0·1	A few ∖i, misty, and foggy.	Cloudless.
2·7	·264	·458	,,	NW&N	,,	1·0	0·0	1·0	,,	0·4	Misty and foggy.	∖i around hor.
2·4	·226	·402	,,	NW	,,	0·8	0·1	0·7	,,	..	A few ∖i in hor.; misty and foggy.	A few ∖i in hor.; misty and foggy.
2·6	·242	·379	,,	calm	,,	0·8	0·0	0·8	weak	2·0	∖i, misty, and foggy.	∖i, motion E.
3·1	·298	·459	,,	,,	,,	1·2	0·0	1·2	,,	0·5	∖i and pieces of ∨∖i; misty, foggy, and dew.	∖i around hor.
3·2	·303	·512	,,	NNW	,,	1·6	0·0	1·6	,,	0·6	∖i around hor.; misty and foggy.	∖i around hor.
3·0	·264	·456	,,	calm	,,	1·0	6·0	1·0	,,	..	A few ∖i in N hor.; misty and foggy.	Cloudless.
2·4	·220	·393	none	calm	NNW	0·8	0·0	0·8	weak	..	Misty, foggy, and dew.	Cloudless and dew.
2·0	·196	·340	,,	,,	,,	1·2	0·0	1·2	mod.	3·7	∖i, misty, foggy, and dew.	∖i, motion ENE.
2·5	·245	·369	,,	,,	NW	0·8	0·0	0·8	,,	3·0	∖i, motion NE; misty and foggy.	∖i around hor.
2·8	·261	·366	,,	N	,,	1·0	0·0	1·0	weak	2 2	∖i around hor.; misty and foggy.	∖i, motion NE.
2·7	·244	·297	,,	calm	,,	0·3	0·0	0·3	,,	4·6	∖i, motion E; misty.	∖i, motion NE.
2·3	·208	·274	,,	,,	,,	0·4	0·0	0·4	,,	7·6	∖i, motion E; lunar eclipse.	∖i and ∨∖i, motion E.
2·1	·187	·241	,,	NW & NE	,,	0·4	0·0	0·4	none	2·0	∖i, misty, foggy, and dew; a lunar halo.	Cloudless.
2·3	·214	·232	,,	N	W	0·3	0·0	0·3	,,	0·5	A few ∖i; misty and foggy.	∖i and dew.
2·5	·249	·264	,,	calm	NW	1·0	0·0	1·0	,,	2·6	∖i, motion E; misty, foggy, and dew.	∖i, motion SE.
2·9	·269	·227	,,	variable	,,	0·5	0·0	0·5	,,	0·5	A few ∖i; misty and foggy.	∖i, motion E.
2·5	·242	·118	,,	WNW&NNE	variable.	0·5	0·0	0·5	,,	0·6	Misty, foggy, and dew.	∖i and ∨∖i, motion E.
2·0	·171	·068	,,	calm	W	0·3	0·0	0·3	,,	2·1	∖i and ∨∖i, motion E; misty, foggy, and dew.	Patches of ∨∖i and dew.
1·7	·152	·130	,,	,,	WNW	0·5	0·0	0·5	,,	1·7	∨∖i, motion W; misty, foggy, and dew.	∨∖i, motion NE.
1·9	·185	·210	,,	,,	W& NW	0·5	0·0	0·5	mod.	1·3	∨∖i, motion NNE; misty, foggy, and dew.	Patches of ∨∖i around hor.
2·2	·191	·274	,,	,,	NW	0·7	0·0	0·7	weak	1·0	∨∖i, motion E; misty, foggy, and dew.	∖i and ∨∖i, motion E; dew.
3·1	·292	·283	,,	NNW & NE	,,	1·3	0·0	1·3	,,	2·8	∨∖i, motion NE; misty, foggy, and dew.	∖i and ∨∖i, motion N.
2·5	·249	·114	,,	calm	WNW& NW	0·6	0·0	0·6	,,	0·6	∨∖i, foggy, dew, and misty.	∨∖i, motion E.
2·3	·231	·082	,,	,,	WNW	1·0	0·0	1·0	none	1·0	∨∖_i, motion E; misty.	∨∖_i, motion S; dew.
2·2	·201	·133	,,	calm & NW	W	0·7	0·0	0·7	weak	1·3	∨∖_i, motion S; dew.	∨∖_i around hor.
2·4	·235	·213	,,	W & ENE	NW	0·4	0·0	0·4	,,	1·8	∨∖_i, motion NE; dew, foggy, and misty.	∨∖_i, motion E.
2·3	·215	·246	,,	calm&NE	,,	0·8	0·0	0·8	none	0·9	∨∖_i, motion SE.	Cloudless.
1·9	·184	·143	,,	NNW & NE	,,	1·5	0·0	1·5	,,	..	Misty, foggy, and dew.	,,
1·5	·141	·146	,,	NNW	,,	1·0	0·0	1·0	weak	0·2	A few ∖i, misty, and dew.	A few ∖i and dew.
2·0	·186	·132	,,	,,	,,	0·7	0·1	0·6	none	..	∖i, misty, and dew.	A few ∖i.

TABLE II.—*Showing, in the Months of March and April, the Mean Daily Value of*

Days of the Month.	Phases of the Moon.	Barometer No. 58 corrected to 32° Fahrenheit.			Reading of Air Thermometers.									Ground Thermometers.				Mean daily Value of Hygrome-				
					Thermometer in External and Air.			Wet Bulb Thermometer.			Difference between Wet Bulb Temperature and the Air Temperature.											
		Greatest.	Least.	Daily Range.	Greatest.	Least.	Daily Range.	Greatest.	Least.	Daily Range.	Greatest.	Least.	Mean daily Value.	Under the Surface of the Ground 1 inch.	Thermometer whose bulb is 9 inches below the surface of ground.	Thermometer whose bulb is 24 inches below the surface of ground.	Thermometer whose bulb is 90 inches below the surface of ground.	Dew-point.	Pressure of Moisture.	Humidity of Air. Saturation = 1·00.	Weight in Grains of a Cubic Foot of Air.	Weight in Grains of Vapour in a Cubic Foot of Air.
		in.	in.	in.	°	°	°	°	°	°	°	°	°	°	°	°	°	°	in.		grs.	grs.
MARCH 1860.																						
1	Gtst. N. Dec.	29·912	29·778	0·134	85·2	71·4	13·8	74·8	67·3	7·5	11·2	1·9	7·1	77·8	77·8	78·9	80·8	68·6	0·695	0·73	503	7·7
2		·918	·795	·123	84·6	72·7	11·9	73·5	64·0	9·5	12·4	3·8	8·0	77·8	78·2	79·0	80·8	67·1	·662	·69	503	7·4
3		·887	·726	·161	84·6	71·5	13·1	74·0	67·2	6·8	12·8	3·5	7·3	77·1	78·0	79·0	80·9	67·0	·660	·71	504	7·2
4																						
5		·982	·790	·102	82·8	69·2	13·6	75·2	65·7	9·5	9 3	2·2	5·4	75·8	77·5	79·0	81·0	68·1	·683	·78	507	7·4
6		·928	·826	·102	85·0	70·6	14·4	74·2	69·5	4·7	11·5	1·0	5·0	76·6	77·7	79·2	81·2	69·9	·726	·80	506	7·9
7	○																					
8	Perigee.	·869	·756	·113	83·7	73·0	10·7	74 0	70·0	4·0	10·0	2·4	5·5	76·9	77·9	79·2	81·2	69·3	·712	·78	505	7·7
9	Eq.	·880	·766	·114	83·4	71·8	11·6	73·6	68·0	5·6	10·4	1·8	5·8	76·8	77·9	79·1	81·1	68·6	·695	·77	505	7·7
10		·921	·798	·123	83·4	72·2	11·2	73·7	69·0	4·7	10·0	2·2	5·8	76·8	77·9	79·0	81·0	69·0	·705	·77	506	7·7
11																						
12		·937	·809	·128	84·0	73·0	11·0	75·2	71·4	3·8	9·0	1·4	5·0	77·6	78·4	78·9	80·9	71·1	·754	·80	505	8·1
13	Gtst. S. Dec.	·913	·832	·081	82·0	72·8	9·2	73·0	69·2	3·8	9·5	3·3	5·6	76·8	78·2	78·9	80·9	69·0	·704	·77	506	7·7
14	☾	·949	·833	·116	83·3	72·2	11·1	74·4	69·8	4·6	9·2	2·4	5·5	77·0	78·1	78·8	80·8	69·7	·720	·78	505	7·9
15		·911	·980	·131	84·0	74·3	9·7	75·4	72·4	3·0	9·4	1·6	5·2	78·1	78·5	78·8	80·8	71·3	·758	·79	503	8·1
16		·911	·795	·116	84·7	74·0	10·7	74·8	71·5	2 8	10·4	2·5	5·8	77·8	78·7	78·9	80·9	70·1	·729	·77	505	7·9
17		·940	·808	·132	83·4	73·0	10·4	74·0	69·8	4·2	9·4	2·8	5·7	76·6	78·3	79·0	81·0	68·5	·693	·77	506	7·7
18																						
19		·929	·815	·114	82·8	73·2	9·6	74·3	70·2	4·1	9·2	2·2	5·6	77·2	78·2	79·0	81·0	69 7	·719	·77	505	7·9
20	Apogee.	·971	·841	·130	83·3	71·4	11·9	74·0	69·0	5·0	10·0	1·7	5·4	76·7	78·0	79·0	81·0	69·6	·718	·78	507	7·9
21	Eq.	·953	·790	·163	85·0	72·2	12·8	76·0	70·6	5·4	9·0	1·5	5·4	78·1	78·5	79·1	81·1	71·2	·757	·79	503	8·1
22	●	·853	·737	·116	87·6	73·7	13·9	77·0	70·0	7·0	13·2	2·0	6·3	79·5	79·3	79·2	81·2	71·5	·764	·76	499	8·4
23		·878	·738	·140	86·6	73·6	13·0	77·2	68·5	8·7	12·0	2·8	7·1	79·5	79·6	79·2	81·2	70·3	·734	·72	499	7·8
24		·924	·800	·124	87·5	75·0	12·5	79·5	72·2	7·3	9·5	2·0	4·9	80·3	80·1	79·4	81·2	74·3	·835	·80	500	8·9
25																						
26		·925	·783	·142	88·3	76·8	11·5	80·3	74·6	5·4	10·0	1·0	5·0	81·2	80·8	79·8	81·6	75·1	·858	·80	499	9·2
27		·904	·771	·133	91·8	77·4	14·4	78·5	73·5	5·0	15·8	3·0	8·4	82·4	81·4	80·4	82·2	72·0	·777	·69	497	8·3
28	Gtst. N. Dec.	·918	·804	·114	89·5	77·2	12·3	77·4	71·8	5·6	14·7	3·2	8 2	81·9	81·6	80·6	82·2	71·2	·756	·69	498	8·0
29		·911	·816	·095	87·4	75·8	11·6	78·0	73·0	5·0	9·4	2·8	5 4	80·7	81·3	80·9	82·3	73·8	·821	·79	500	8·9
30	☽	·904	·787	·117	86·5	74·7	11·8	78·5	72·0	6·5	10·3	2·5	5·8	80·5	81·0	81·1	82·3	73·0	·800	·78	500	8·7
31		·876	·757	·119	88·5	75·8	12·7	78·0	70·0	8·0	12·4	3·2	7·4	81·4	81·2	81·3	82·1	71·8	·771	·72	498	8·4
APRIL 1860.																						
1																						
2		·907	·773	·134	88·3	75·2	13·1	79·0	72·3	6·7	15·3	2·6	6·7	80·7	81·1	81·4	82·0	72·0	·777	·75	499	8·4
3	Eq.	·905	·782	·123	86·8	75·2	11·6	78·6	73·0	5·6	8 3	2·0	5·0	80·0	81·2	81·6	82·1	73·8	·822	·80	500	8·9
4	Perigee.	·892	·789	·103	87·2	76·5	10·7	76·3	73·0	3·3	11·2	2·1	6·3	80·2	81·1	81·6	82·0	71·9	·774	·76	500	8·4
5	○	·912	·788	·124	86·3	74·6	11·7	76·0	71·0	5·0	10 3	2·7	6·0	79·6	80·8	81·5	82·0	71·6	·765	·76	501	8·4
6																						
7		·871	·753	·118	86·2	74·6	11·6	78·0	73·0	5·0	8·6	1·5	4·9	79·5	80·5	81·5	82·0	73·1	·803	·81	500	8·7
8																						
9		·810	·659	·151	87·4	75·6	11·8	79·2	73·5	5·7	9·0	2·0	4·6	80·2	80·9	81·5	82·1	74·4	·838	·82	498	8·9
10	Gtst. S. Dec.	·797	·671	·126	88·6	76·7	11·9	79·8	74·6	5·2	9·0	1·1	4·6	81·2	81·3	81·5	82·0	75·5	·869	·82	497	9·5
11		·832	·740	·092	88·4	77·0	11·4	79·4	74·0	5·4	10·2	2·0	5·5	81·3	81·7	81·6	82·1	74·4	·836	·79	498	8·9
12		·893	·797	·096	87·0	76·3	10·7	78·2	72·2	6·0	9·4	3·1	6·0	80·8	81·4	81·7	82·2	73·1	·803	·77	500	8·7
13	☾	·901	·798	·103	86·8	76·6	10·2	78·2	74·0	4·2	8·9	2·6	5·1	80·7	81·4	81·7	82·2	74·1	·829	·80	500	8·9
14		·924	·828	·096	86·7	75·9	10·8	77·9	73·0	4·9	8·8	2·4	5·6	80·8	81·3	81·7	82·2	73·4	·811	·78	500	8·7
15																						
16	Apogee.	·931	·819	·112	86·6	78·4	8·2	79.0	75·1	3·9	9·0	3·2	6·0	81·9	81·9	81·9	82·4	74·2	·833	·77	498	8·9
17	Eq.	·934	·807	·127	87·8	77·8	10·0	80·0	74·0	6 0	8·8	1·8	5·3	81·3	81·8	81·9	82·4	74·5	·841	·80	499	9·2
18		·938	·823	·115	87·3	76·4	10·9	79·5	73·0	6·5	9·4	2·6	6·2	81·2	81·8	81·9	82·4	73·3	·808	·76	499	8·7
19		·929	·811	·118	86·0	75·2	10·8	77·5	72·5	5·0	9·0	3·0	6·1	80·6	81·6	81·9	82·4	72·4	·786	·76	500	8·4
20		·931	·753	·178	86·9	77·5	9·4	80·2	74·5	5·7	7·4	2·9	5·1	81·5	81·8	82·0	82·5	74·9	·851	·80	499	9·2
21	●	·939	·810	·129	86·4	77·3	9·1	79.0	75·0	4·0	7·7	2·0	4·7	81·2	81·9	82·2	82·6	75·1	·856	·81	499	9·2
22																						
23		·880	·772	·108	86·8	77·4	9·4	78·0	74·0	4·0	10·6	2·9	5·7	81·8	81·8	82·5	82·7	73·5	·814	·78	498	8·9
24	Gtst. N. Dec.	·892	·783	·109	88·4	77·8	10·6	78·2	74·5	3·7	10·5	3 0	5·9	81·5	82·0	82·5	82·7	74 I	·829	·78	499	8·9
25		·893	·795	·098	86·6	77·6	9·0	78·2	75·2	3.0	8·6	2·4	4·8	81·3	82·1	82·5	82·7	75·0	·855	·81	499	9·2
26		·878	·741	·137	86·2	79·4	8·8	79·6	75·0	4·6	7·6	2·4	4·9	81·5	82·1	82·5	82·1	75·2	·860	·81	498	9·2
27		·842	·729	·113	86·6	79·8	6·8	80·3	76·2	4·1	6·8	3·0	4·5	82·3	82·5	82·6	82·8	76·6	·899	·82	497	9·8
28	☽	·851	·730	·121	85·2	79·6	5·6	80·0	76·5	3·5	5·7	1·6	3·4	81·9	82·6	82·7	82·9	77·4	·921	·86	498	9·8
29																						
30		·867	·704	·163	87·7	78·2	9·5	80·2	77 0	3·2	8·5	1·2	4·0	82·6	82·9	82·8	82·9	77·5	·923	·85	497	9·8

all the Meteorological Observations, and the Daily changes in the state of the Weather.

Weight in Grains required for complete Saturation of a Cubic Foot of Air.	Quantity of Water actually evaporated in the Air.	Pressure of supposed Dry Air.	Rain: inches by Newman's Gauge.	Wind. Direction. From Midnight to Noon.	Wind. Direction. From Noon to Midnight.	Wind. Force in Pounds on a square foot. Greatest.	Least.	Daily Range.	Atmospheric Electricity.	Extent of Cloudy Sky.	Clouds and Weather. A. M.	Clouds and Weather. P. M.
grs.	in.	in.	in.			lb.	lb.	in.			Notation used: ∖i *cirri*; ∿i cirro-cumuli; ∩i cumuli; ⌒i cirro-strati; and ∿i nimbi; direction of wind by initial letters; hor., horizon.	
2·8	0·275	29·147	none	NNW	NW	1·2	0·1	1·1	weak	..	A few ∖i; dew and misty.	Cloudless.
3·4	·305	·184	,,	,,	,,	1·3	0·0	1 3	,,	..	A few ∖i; misty and foggy.	,,
3·0	·277	·158	,,	calm	,,	1·4	0·0	1·4		..	Misty, foggy, and dew.	,,
2·2	·199	·152	,,	,,	WNW	0·7	0·0	0·7	,,	0·3	∖i, misty, foggy, and dew.	∖i and dew.
2·0	·190	·142	,,	,,	W	0 5	0·0	0·5	,,	0 7	A few ∖i; misty, foggy, and dew.	,,
2·2	·210	·086	,,	,,	,,	0·2	0·0	0·2	none	3·8	∿i, motion SE.	∿i, motion E.
2·2	·221	·117	,,	calm & ESE	,,	0·2	0·0	0·2	,,	1·3	∿i, motion E; dew and misty.	Cloudless.
2·2	·220	·150	,,	calm & ENE	,,	0·3	0·0	0·3	,,	1·1	∿i, motion E; dew, misty, and foggy.	,,
2·1	·192	·123	,,	calm	NW & W	0·6	0·0	0·6	,,	..	A few ∖i at sunrise; dew, misty, and foggy.	Cloudless.
2·2	·210	·165	,,	,,	W	1·0	0·0	1·0	,,	0·6	∿i, motion SE; dew, misty, and foggy.	∖i, motion E.
2·3	·211	·154	,,	NNW	W & NW	0·8	0·0	0·8	,,	3·2	∿i and ∖i, motion SE; dew, misty, and foggy.	∖i and ∿i, motion NE.
2·4	·203	·084	,,	NW	NW	1·7	0 0	1·7	,,	5·3	∖i, motion SE; dew, misty, and foggy.	∖i, motion ENE.
2·3	·223	·119	,,	,,	WNW	0·8	0·0	0·8	,,	4·0	∖i, motion ENE; dew, misty, and foggy.	∖i around hor.
2·2	·215	·174	,,	calm & N	W	0·3	0·0	0·3	,,	3·0	∖i, motion E; dew.	∖i, motion E.
2·3	·215	·140	,,	calm	WNW	0·8	0·0	0·8	,,	1·0	∿i, motion SE; dew and hazy.	A few ∖i and ∿i, motion NE.
2·0	·204	·173	,,	,,	,,	0·7	0·0	0·7	,,	1·8	∿i and ∖i, motion SE; dew.	A few ∖i.
2·4	·216	·102	,,	N	NW	1·5	0·0	1·5	,,	0·1	A few ∖i; misty, foggy, and dew.	Cloudless.
2·7	·257	·028	,,	NNW	WNW	1·0	0·0	1·0	,,	0 1	,, ,, ,,	,,
3·3	·287	·071	,,	calm	NW	1·5	0·0	1·5	weak	..	,, ,, ,,	,,
2·2	·305	·031	,,	,,	variable.	0·8	0·0	0·8	mod.	..	,, ,, ,,	A few patches of ∿i in the evening.
2·3	·211	·002	,,	,,	NW	0·8	0·0	0·8	none	0·9	∖i and ∿i; misty and dew.	Cloudless.
3·9	·359	·061	,,	NW	,,	0·8	0·0	0·8	weak	..	∖i, hazy, and dew.	,,
3·8	·341	·096	,,	,,	& calm	0·6	0·0	0·6	none	..	A few ∖i and hazy.	,,
2·2	·222	·033	,,	WNW & calm	W & WNW	0·4	0·0	0·4	,,	..	Hazy and dew.	,,
2·4	·237	·042	,,	calm		1·6	0·0	1·6	weak	..	,,	,,
3·1	·309	·045	,,			1·5	0·0	1·5	,,	..	,,	,,
3·4	·273	·056	none	calm	WNW	0·5	0·0	0·5	weak	..	A few ∖i in E; misty and dew.	A few ∖i in E.
2·2	·205	·019	,,	NW	W	1·0	0·0	1·0	,,	0·5	A few ∖i, moving SE.	A few ∖i and ∿i, motion ESE.
2·7	·253	·063	,,	W	,,	0·1	0·0	0·1	,,	2·7	∿i, motion SE; dew.	∖i and ∿i, motion ENE.
2·4	·240	·077	,,	calm	WNW	0·2	0·0	9·2	,,	2·0	∿i, motion E; dew.	∖i around hor.
2·1	·201	·011	,,	calm & WNW	WNW	0·8	0·0	0·8	Sp.	1·8	∖i and ∿i, motion SE; dew.	∖i, motion E.
2·2	·188	28·904	,,	calm	W	0·7	0·0	0·7	mod.	1·5	∿i, motion SE; dew.	∿i, motion E; dew.
2·0	·194	·867	,,	calm & SW	,,	0·4	0·0	0·4	none	1·7	∿i, motion N; dew.	∿i, motion E; dew.
2·6	·230	·947	,,	calm	W & WNW	2·0	0·0	2·0	,,	0·8	∿i, motion E; dew.	Cloudless.
2·4	·247	29·036	,,	calm & W	W	0·6	0·2	0·6	,,	0·2	∿i about hor.; dew.	,,
2·2	·212	·022	,,	calm & NW	WNW	0·8	0·0	0·8	weak	1 6	∿i, motion S.	,,
2·4	·232	·065	,,	NNW	NW	2·2	0·3	1·9	,,	1·1	∿i, motion SE; *misty*.	,,
2·9	·254	·037	,,	NW	,,	2·5	0·2	2·3	,,	2·5	∿i, motion E; misty.	Patches of ∿i around hor.
2·3	·222	·016	,,	,,	,,	2·5	0·1	2·4	Sp.	3·0	∿i, drops of rain.	∿i and wind.
2·8	·254	·059	,,	,,	,,	2·5	0·2	2·3	weak	0·8	∿i, motion NE.	A few ∖i.
2·7	·248	·068	,,	,,	WNW & NW	2 6	0·1	2·5	,,	0·6	∿i, motion SE.	∿i around hor.
2·3	·215	·001	,,	,,	NW	2·0	0·0	2·0	,,	1·8	∿i, *motion SE; misty*.	∩i and ∿i; lightning in E.
2·3	·196	·018	,,	,,	WNW	1·5	0·0	1·5	none	1·5	,, ,, ,,	,, ,, ,,
2·6	·238	·006	,,	NW & calm	WNW & NW	0·5	0·0	0·5	Sp.	2·9	∿i, motion SE.	∩i and ∿i, motion NE or SE.
2·6	·248	·001	,,	NW & SE	WNW	0·6	0·0	0 6	none	4·1	,, ,,	∿i and ∖i, motion E.
2·3	·204	28·986	,,	N	NW	1·2	0·1	0·1	,,	3 9	∿i and ∖i, motion SE.	∖i and ∿i, motion E.
2·3	·207	·956	,,	NNW	,,	1·2	0·1	1 1	weak	3·2	,, ,, ,,	∩i, ∿i, and ∖i; lightning in E.
2·0	·195	·895	,,	NW	,,	0·8	0·0	0·8	none	5·7	∿i and ∖i, motion variable.	∩i and ∿i, motion N; lightning.
1·7	·146	·879	,,	,,	,,	0·6	0.0	0·6	,,	5·3	∿i and ∿i, motion SE.	∩i, ∿i, ∖i, and ∿i, motion E; drops of rain.
2·0	·174	·867	,,	calm	,,	0·8	0·0	0·8	,,	5·3	∿i, ∿i, and ∖i, motio SE.	∩i, ∿i, ∖i, and ∿i; lightning, thunder, [and drops of rain.

TABLE III.—*Showing, in the Months of May and June, the Mean Daily Value of*

	Days of the Month.	Phases of the Moon.	Barometer No. 58 corrected to 32° Fahrenheit.			Reading of Air Thermometers.									Ground Thermometers.				Mean daily Value of Hygrome-				
						Thermometer in External and Air.			Wet Bulb Thermometer.			Difference between Wet Bulb Temperature and the Air Temperature.											
			Greatest.	Least.	Daily Range.	Greatest.	Least.	Daily Range.	Greatest.	Least.	Daily Range.	Greatest.	Least.	Mean daily Value.	Under the Surface of the Ground 1 Inch.	Thermometer whose Bulb is 9 inches below the surface of ground.	Thermometer whose Bulb is 20 inches below the surface of ground.	Thermometer whose Bulb is 60 inches below the surface of ground.	Dew-point.	Pressure of Moisture.	Humidity of Air, Saturation = 1·00.	Weight in Grains of a Cubic Foot of Air.	Weight in Grains of Vapour in a Cubic Foot of Air.
			in.	in.	in.	°	°	°	°	°	°	°	°	°	°	°	°	°	°	in.		grs.	grs.
MAY 1860.	1	Eq.	29·861	29·711	0·150	90·0	80·5	9·5	81·4	79·0	2·4	8·6	1·5	4·3	83·7	83·4	83·0	83·1	78·8	0·964	0.83	493	10·4
	2	Perigee.	·797	·629	·168	92·1	80·1	12·0	81·8	78·0	3·8	12·7	1·2	5·8	84·4	83·9	83·3	83·1	77·6	·928	·79	491	10·0
	3		·784	·670	·114	90·2	80·5	9·7	80·1	74·8	5·3	11·2	3·6	7·2	84·1	84·0	83·3	83·1	75·1	·857	·73	492	9·1
	4		·836	·721	·115	90·0	78·6	11·4	80·1	76·0	4·1	10·0	2·6	5·9	83·4	83·8	83·4	83·3	75·8	·876	·78	495	9·5
	5	○	·815	·729	·076	90·0	78·4	11·6	81·0	75·4	5·6	9·0	2·6	5·3	83·0	83·7	83·5	83·3	76·6	·893	·79	495	9·8
	6																						
	7	Gtst. S. Dec.	·881	·757	·124	90·0	79·6	10·4	80·0	77·0	3·0	10·0	1·6	5·2	83·7	83·7	83·6	83·4	76·6	·897	·79	496	9·8
	8		·876	·765	·111	90·4	79·6	10·8	81·0	76·9	4·1	9·4	2·5	5·4	83·6	84·0	83·8	83·6	76·7	·904	·79	496	9·8
	9		·863	·752	·111	89·8	80·6	9·2	80·5	78·6	1·9	9·4	1·8	4·7	83·6	84·0	83·9	83·7	77·6	·929	·81	496	10·1
	10		·870	·758	·112	91·1	80·0	11·1	80·0	76·2	3·8	11·4	2·0	6·3	83·9	84·2	83·9	83·7	76·1	·886	·77	494	9·5
	11		·863	·758	·105	91·0	80·1	10·9	79·3	76·2	3·1	11·7	3·0	6·6	83·9	84·3	83·9	83·7	75·5	·869	·75	494	9·4
	12		·842	·741	·101	89·5	80·8	8·7	80·0	76·8	3·2	10·5	3·8	6·7	84·0	84·3	84·0	83·8	75·5	·868	·75	494	9·4
	13	☾																					
	14	Apogee.	·819	·723	·096	91·0	81·1	9·9	80·7	76·5	4·2	11·0	3·4	7·3	84·7	84·5	84·2	83·9	75·6	·869	·74	492	9·4
	15	Eq.	·871	·747	·124	89·7	80·7	9·0	79·9	77·0	2·9	11·0	3·2	6·8	84·2	84·6	84·4	84·0	75·6	·871	·75	494	9·4
	16		·874	·747	·127	90·2	80·9	9·3	79·2	75·5	3·7	12·0	5·1	7·9	84·1	84·5	84·5	84·2	74·3	·835	·72	494	8·8
	17		·859	·758	·101	91·5	81·0	10·5	79·6	76·0	3·6	12·4	4·8	7·9	84·4	84·7	14·5	84·2	73·4	·839	·71	494	8·8
	18		·863	·733	·130	91·0	81·0	10·0	79·4	76·5	2·9	11·6	4·4	7·7	84·5	84·8	84·6	84·3	74·8	·849	·71	493	9·1
	19		·870	·730	·140	89·3	81·2	8·1	80·0	76·6	3·4	10.1	3·9	6·5	84·3	84·7	84·6	84·4	76·0	·882	·72	494	9·5
	20	●																					
	21	Gtst. N. Dec.	·799	·689	·110	88·0	82·0	6·0	80·9	78·5	2·4	8·2	2·6	4·9	84·1	84·8	84·8	84·5	77·7	·932	.81	495	10·1
	22		·771	·678	·093	87·6	81·4	6·2	80·4	78·0	2·4	7·2	2·2	4·4	83·5	84·6	84·8	84·6	77·7	·931	·83	494	10·1
	23		·756	·674	·082	88·3	80·5	7·8	80·0	77·0	3·0	8·7	3·0	5·8	83·6	84·5	84·8	84·6	76·3	·889	·78	494	9·5
	24																						
	25		·794	·689	·105	90·0	81·5	8·5	79·8	76·8	3·0	11·8	4·5	7·3	84·2	84·8	84·5	84·0	75·3	·863	·73	493	9·1
	26		·760	·649	·111	91·8	82·0	9·8	82·0	78·0	4·0	10·6	3·2	6·7	85·1	85·1	84·6	84·2	77·2	·915	·76	491	9·7
	27		·746	·645	·101	91·0	82·9	8·1	81·0	78·4	2·6	10·3	4·2	6·9	85·2	85·4	84·9	84·7	76·8	·906	·75	491	9·7
	28	☽ Eq.																					
	29	Perigee.	·776	·667	·109	91·6	82·0	9·6	80·2	77·4	2·8	12·0	4·2	7·8	85·1	85·5	85·1	84·8	75·5	·868	·72	491	9·4
	30		·769	·641	·128	91·7	81·9	9·8	79·5	77·0	2·5	13·6	4·4	8·2	85·2	83·6	85·4	85·0	75·1	·858	·70	491	9·4
	31		·786	·687	·099	93·7	82·3	11·4	81·3	77·2	4·1	12·7	4·6	8·2	86·0	85·9	85·4	85·0	76 3	·889	·70	490	2·4
JUNE 1860.	1		·803	·683	·120	93·0	82·4	10·6	81·8	79·0	2·8	12·0	3·4	7·1	86·2	86·2	85·6	85·1	77·8	·933	·74	491	10·0
	2	○	·811	·709	·102	93·6	83·4	10·2	83·0	79·4	3·6	11·2	3·0	6·9	86·9	86·6	85·7	85·1	78·9	·966	·75	490	10·3
	3	Gtst. S. Dec.																					
	4		·749	·639	·110	91·2	81·7	9·5	82·7	77·3	5·4	11·0	2·8	6·0	85·7	86·3	85·7	85·1	78·6	·958	·78	490	10·3
	5		·754	·617	·137	92·5	83·3	9 2	83·0	79·4	3·6	10·4	3·2	5·9	86·4	86·5	85·8	85·2	79·3	·978	·78	490	10.4
	6		·711	·598	·113	91·9	83·0	8·9	83·0	80·0	3·0	9·9	2·6	5·3	86·3	86·6	85·9	85·2	79·8	·995	·80	489	10·7
	7		·677	·573	·104	91·0	83·6	7·4	83·0	80·5	2·5	9·0	2·6	5·1	86·3	86·6	85·8	85·2	80·1	1·007	·81	489	10·7
	8		·669	·573	·156	92·8	80·0	12·8	84·0	76·0	8·0	9·5	2·0	5·6	85·3	86·3	86·0	85·2	78·9	0·950	·79	489	10·4
	9		·616	·511	·105	91·5	79·7	11·8	82·0	76 3	5·7	10·0	3·1	6·0	84·8	86·1	86·0	85·3	77·3	·918	·78	489	9·7
	10																						
	11	☾	·590	·455	·135	87·8	74·4	13·4	82·0	74·0	8·0	7·0	0·4	2·8	81 3	84·1	85·5	85·1	77·9	·938	·89	492	10·1
	12	Apogee.	·549	·452	·097	88·5	78·5	10·0	83·0	78·0	5·0	5·8	0·0	2·2	81·9	83·2	85·6	85·1	78·8	·965	·91	492	10·4
	13	Eq.	·581	·492	·089	81·4	77·0	4·4	81·0	76·2	4·8	1·2	0·0	0.4	79·8	83·5	85·3	84·9	78·5	·954	·98	497	10·5
	14		·626	·519	·107	82·6	77·0	5·6	81·0	76·6	4·4	2·4	0·2	1·2	80·0	83·0	85·0	84·9	78·0	·940	·95	495	10·2
	15		·664	·589	·075	88·3	80·5	7·8	83·8	79·5	4·3	5·0	1·0	2·7	83 6	84·0	85·1	85·0	80·6	1·019	·90	492	11·0
	16		·647	·586	·061	88·8	81·0	7·8	83·0	79·0	4·0	6.0	1·6	3·6	83·9	84·6	85·2	85·1	79·7	0·993	·86	490	10·7
	17																						
	18	Gtst. N. Dec.	·686	·609	·077	91·0	82·2	8·8	84·0	80·0	4·0	7·0	1·4	3·8	84·9	85·2	85·4	85·2	80·4	1·013	·86	491	10·7
	19	●	·718	·626	·092	91·2	82·0	9·2	84·4	80·0	4·4	7·8	1·8	4·2	84·9	85·6	85·4	85·2	80·2	·007	·84	490	10·7
	20		·730	·649	·081	88·4	76·5	11·9	81·4	76·0	5·4	7·0	0·6	3·2	82·8	85·2	85·4	85·2	78·0	0·941	·88	496	10·1
	21		·691	·595	·096	84·0	77·9	6·1	80 7	77·0	3·7	4·0	0·6	2·2	81·6	84·1	85·3	85·2	78·1	·944	·91	496	10·1
	22		·680	·601	·079	86·6	75·8	10·8	80·8	74·0	6·8	6·1	0·4	2·6	80·5	83·7	85·2	85·1	76·8	·904	·90	497	9·8
	23	Perigee.	·734	·631	·103	88·2	76·7	11·5	81·5	75·5	6·0	6·7	1·1	3·4	81·7	83·4	85·0	85·0	77·5	·925	·87	496	10·1
	24	Eq.																					
	25		·762	·701	·061	89·9	79·7	10·2	82 2	77·0	5·2	7·7	2·0	4·4	84.0	84·7	85·0	85·0	78·6	·958	·83	492	10·4
	26	☽	·714	·647	·067	89·4	82·7	6·7	81·2	78·5	2·7	9·0	3·1	5·6	84·0	85·0	85·0	85·1	77·8	·933	·79	492	10·1
	27		·738	·635	·103	89·2	80·5	8·7	82 7	78·2	4·5	7·2	1·5	4·1	83·6	85·0	85·0	85·1	78·3	·950	·84	494	10·1
	28		·755	·685	·070	90·1	80·0	10·1	83·2	76·5	6·7	7·7	1·5	4·4	83·8	85·0	85·1	85·2	78 5	·956	·83	492	10·4
	29		·720	·668	·052	87·5	78·0	9·5	82 0	75·2	6·8	5·5	0·5	2·2	81·2	84 4	85·0	85·2	77·5	·926	·91	497	10·1
	30	Gtst. S. Dec.	·702	·594	·108	82·0	76·6	5·4	79·0	75·1	3·9	4·3	0·3	2·0	80·1	83·2	84·9	85·2	76·8	·906	·92	497	9·9

all the Meteorological Observations, and the Daily Changes in the State of the Weather.

Weight in Grains required for complete Saturation of a Cubic Foot of Air.	Quantity of Water actually evaporated in the Air.	Pressure of supposed Dry Air.	Rain: inches by Newman's Gauge.	Wind. Direction. From Midnight to Noon.	Wind. Direction. From Noon to Midnight.	Wind. Force in Pounds on a square foot. Greatest.	Least.	Daily Range.	Atmospheric Electricity.	Extent of Cloudy Sky.	Clouds and Weather. Notation used; ∖i cirri; ⋀i cirro-cumuli; ⌒i cumuli; ⌒ ∫ cirro-strati; and ⋀ı nimbi direction of wind by initial letters; hor., horizon. A. M.	Clouds and Weather. P. M.
grs.	in.	in.	in.			lb.	lb.	lb.				
2·1	0·193	28·818	none.	variable	WNW	0·6	0 0	0·6	Sp.	4·3	⋀i, ⋀ı, lightning, thunder, & rain; current N.	⌒i, ⋀i, and ⋀ı, motion E.
3·9	·267	·789	,,	calm	,,	1·5	0·0	1·5	weak	1·5	⋀i and dew.	⌒i, along E hor.]
3·4	·316	·861	,,	W	W	0·6	0·0	0·6	none	0·5	∫ and ⋀i.	A few ∖i.
2·7	·260	·890	,,	NNW	,,	0·3	0·0	0·3	weak	1·8	∫ and ⋀i, motion SE.	A few pieces of clouds.
2·4	·232	·873	,,	calm	WSW	0·7	0·0	0·7	,,	1·3	∫, ⋀i, ⋀ı, and dew, motion SE.	⋀i, motion E.
2·4	·239	·919	,,	,,	W	0·5	0·0	0·5	mod.	3·0	⋀i and ⋀ı, motion S.	⌒i and ⋀i.
2·4	·237	·903	,,	N b W	,,	0·4	0·0	0·4	none	3·7	⋀i and dew, motion variable.	⋀i, motion variable.
2·1	·216	·871	,,	calm	W & SW	0·2	0 0	0 2	,,	5·6	⋀i and ⋀ı, motion SE.	⋀ı, motion E.
3·0	·282	·926	,,	calm & W	W	0·2	0·0	0·2	,,	2·1	⋀ı, motion SE.	⌒i and ∖i about hor.
3·1	·294	·940	,,	W	,,	0·4	0·0	0·4	weak	1 7	∫, ⋀i, and ⋀ı, motion SE.	⋀i about hor.
3·1	·295	·922	,,	NW	,,	0·5	0·0	0·5	none	2·4	,, ,, ,,	⋀i, motion SE.
3·5	·324	906	,,	WNW	WNW	2·4	0·0	2·4	weak	1·4	∫ and ⋀i, motion S.]	⋀i about hor.
3·1	·299	·941	,,	NW	,,	1·5	0·0	1·5	,,	1·3	∫, ⋀i, and ⋀ı, motion SE.	A few ∖i.
3·7	·336	·976	,,	WNW	W	0·5	0·0	0·5	mod.	1·9	∖i, ⋀i, and ⋀ı, motion SSE.	⋀i and ⋀ı, motion SE.
3·7	·351	·962	,,	W	WNW	0·2	0 0	0·2	none	2·0	⋀ı, motion SE.	⋀ı, motion E.
3 8	·341	·947	,,	calm	W	0·7	0·0	0·7	weak	1·6	⋀ı, motion E.	⌒i, ⋀i, and ⋀ı, motion SE.
3·0	·284	·913	,,	WNW & calm	WNW	1·5	0·0	1·5	none	3·5	∖i, ⋀i, and ⋀ı, motion SE.	⌒i, ⋀i, and ⋀ı, lightning, thunder, & wind.
2 1	·218	·809	,,	NW	NW	1·0	0·0	1·0	weak	6·0	⋀ı and ⋀ı, motion SE; drops of rain.	⌒i, ⋀i, ⋀ı, and ∖i, motion SE.
2·1	·184	·789	,,	,,	WNW	0·7	0 0	0 7	,,	6·4	⋀ı and ⋀i, motion E.	∖i, ⋀i, and ⋀ı.
2·7	·257	·826	,,	,,	,,	0·5	0·1	0·4	,,	4 0	∖i, ⋀i, and ⋀ı, motion SE.	⌒i, ∖i, ⋀i, and ⋀ı, lightning in E.
3 4	·319	·877	,,	WNW	W	0·5	0 0	0·5	,,	2·5	⋀ı, motion SE.	⋀ı, motion ESE.
3·2	·305	·788	,,	W	,,	0·4	0 0	0·4	,,	3·0	⋀ı and ∖i, motion E.	⌒i and ⋀ı, lightning in E.
3·2	·314	·787	,,	,,	WNW	0·5	0 0	0 5	,,	2·4	⋀ı, motion SE.	⌒i and ⋀ı, motion SE.
3·5	·348	·845	,,	NW	W	0·1	0·0	0·1	none	3·2	∖i and ⋀ı, motion E.	⋀ı, ⋀i, and ∖i, motion E.
3·8	·370	·842	,,	W	W & WSW	0·1	0·0	0·1	,,	2·4	⋀ı, motion E; drops of rain.	⋀ı, motion E.
4·3	377	845	,,	calm & S	SW	0·2	0·0	0·2	,,	2·9	⋀ı, motion NE.	⋀ı and ∖i, motion E.
3·3	·329	·814	none	calm	W & WSW	0 2	0·0	0·2	mod.	2·2	⋀ı, motion NE.	⌒i, ∖i, ⋀i, and ⋀ı.
3·4	·324	.797	0·06	,,		0·2	0·0	0·2	,,	4·1	⋀ı and ∖i, lightning in SE.	⌒i, ⋀ı, and ∖i, lightning, thunder, and rain
3·0	·277	·753	0·06	NW	NW	0·6	0·0	0·6	Sp.	4·7	∖i, ⋀i, and ⋀ı, motion SE; lightning, thunder and rain.	⌒i, ∖i, ⋀i, and ⋀ı, lightning & thunder.
2·9	·277	·714	none	,,	W	0·5	0·1	0·4	weak	5·3	∖i, ⋀i, and ⋀ı, motion SE.	⌒i, ∖i, ⋀i, and lightning.
2 6	·248	·675	,,	,,	,,	0·7	0·0	0·7	Sp.	5·6	∖i, ⋀i, and ⋀ı, motion E; lightning.	⌒i, ∖i, ⋀i, and ⋀ı; lt., th., & dr. of rain.
2·6	·237	·632	,,	,,	,,	0·8	0·0	0·8	none	7·0	∖i, ⋀i, and ⋀ı, motion SE.	⌒i, ∖i, ⋀i, and ⋀ı; lightning & thunder.
2·5	·259	·653	,,	calm & SSE	,,	0·7	0·0	0·7	Sp.	7·6	⋀i and ⋀ı, motion W; lightning and thunder.	,, ,, ,, ,, ,,
2·8	·268	·653	,, 2·40	S	SW	0·7	0·1	0·6	weak	7·2	⋀ı, motion E; lightning thunder, and rain.	⌒i, ∖i, ⋀i, ⋀ı, and lightning.
1·4	·119	·587	1·24	calm	variable calm	0·6	0·0	0·6	Sp.	7·8	⋀ı, motion E; lightning, and rain.	⌒i, ⋀i, and ⋀ı; lightning, thunder, & rain.
1·1	·095	·531	1·50	SSE	W	0·8	0·0	0·8	mod.	7·3	⋀ı, motion E; lightning, thunder and rain.	⌒i, ⋀i, ∖i, and ⋀ı, lt., thunder & rain.
0·0	·016	·584	7·31	WSW	variable	1·0	0·0	1·0	Sp.	7·6	⋀ı, motion E; lightning, thunder and rain.	⋀ı, lightning, thunder, and rain drops.
0·6	·052	·628	2·54	SSW	SW	1·5	0·0	16·5	S	7·7	⋀ı, motion NE; lightning and rain.	⋀ı and rain drops.
1·2	·124	·600	0·08	WSW	,,	1·7	0·0	1·7	none	7·5	⋀ı, motion NE; rain.	Light ⋀ı, motion ENE.
1·8	·164	·620	0·22	SSW	S	0·8	0·2	0·6	weak	6·2	∖i, ⋀i, and ⋀ı, motion NE; rain.	⋀i and ⋀ı, motion NE.
1·8	·177	·634	0·00	SSW	SSW	0·4	0·1	0·3	,,	4·8	⋀i and ⋀ı, motion NE.	⋀ı, motion NE; drops of rain.
2·2	·194	·666	0·01	calm & SW	WSW	0·2	0·0	0·2	,,	3·4	⋀ı, and ∖i, motion NE or E.	⋀ı and ∖i, motion NE. [rain.
1·4	·119	·745	1·43	calm	variable	0·2	0·0	0·2	Sp.	7·0	∖i, ⋀i, and ⋀ı, motion ENE.	⋀ı, motion E or SE; lightning thunder and
1·0	·093	·706	0·21	,,	WNW	0·4	0·0	0·4	none	7·9	⋀ı, motion ENE or W; lightning and rain.	⋀ı, motion SE; lightning and rain.
1·0	·107	·736	1·60	,,	variable	5·8	0·0	5·8	Sp.	7 9	⋀ı, motion variable; lightning, thunder and rain	∖i, ⋀i, and ⋀ı, motion E; rain.
1·4	·144	·756	0·01	E	SSW	0·3	0·0	0·3		5·8	⋀ı and ⋀i, motion NE; light rain.	⌒i, ∖i, ⋀i, and ⋀ı, rain drops.
2·1	·199	·769	0·08	W	SW	2·3	0·0	2·3	mod.	5·2	∖i, ⋀i, and ⋀ı, motion E; rain.	∖i, ⋀i, and ⋀ı, motion ENE; rain.
2·4	·253	·747	0·00	SW	,,	1·5	0·2	1·3	none	4·2	∖i, ⋀i, and ⋀ı, motion NE.	⋀i and ⋀ı, motion NE; rain drops.
2·1	·186	·741	0·24	SSW	SSW	1·7	0·2	1·5	weak	5·5	⋀ı, motion E; rain.	∖i, ⋀i, and ⋀ı, motion NE; rain.
2·1	·197	·763	0·27	,,	SW	0·7	0·1	0·6	,,	5·8	∖i, ⋀i, and ⋀ı, motion NE; light rain.	,, ,, ,, ,, ,,
1·0	·098	·769	1·82	WSW	variable	0·3	0·0	2·3	Sp.	7·5	⋀ı and ⋀i, motion NE; lightning, th. & rain.	∖i, ⋀i, and ⋀ı, motion E; rain.
1·1	·086	·742	0·89	calm	,,	0·5	0·0	0·5	S	7·7	⋀i and ⋀ı, motion NE; lightning and rain.	⋀ı and ⋀i, motion E; light rain.

TABLE IV.—*Showing, in the Months of July and August, the Mean Daily Value of*

Days of the Month.	Phases of the Moon.	Barometer No. 58 corrected to 32° Fahrenheit.			Reading of Air Thermometers.									Ground Thermometers.				Mean daily Value of Hygrome-				
					Thermometer in External and Air.			Wet Bulb Thermometer.			Difference between Wet Bulb Temperature and the Air Temperature.											
		Greatest.	Least.	Daily Range.	Greatest.	Least.	Daily Range.	Greatest.	Least.	Daily Range.	Greatest.	Least.	Mean daily Value.	Under the Surface of the Ground 1 Inch.	Thermometer whose bulb is 9 inches below the surface of ground.	Thermometer whose bulb is 20 inches below the surface of ground.	Thermometer whose bulb is 60 inches below the surface of ground.	Dew-point.	Pressure of Moisture.	Humidity of Air. Saturation = 1·00.	Weight in Grains of a Cubic Foot of Air.	Weight in Grains of Vapour in a Cubic Foot of Air.
		in.	in.	in.	°	°	°	°	°	°	°	°	°	°	°	°	°	°	in.		grs.	grs.
JULY 1860.																						
1	Gtst. S. Dec.																					
2	○	29·574	29·496	0·078	82·1	77·2	4·9	80·0	77·0	3·0	2·5	0·0	1·2	80·1	82·7	84·8	85·4	77·9	0·937	0·95	495	10·2
3		·563	·491	·072	82·3	78·0	4·2	80·5	77·5	3·0	2·6	0·2	1·0	80·2	82·6	84·7	85·5	78·4	·953	·96	495	10·2
4		·580	·503	·077	86·3	78·8	7·5	82·2	77·0	5·2	6·1	0·8	2·1	81·7	83·0	84·6	85·6	78·9	·979	·91	493	10·5
5		·651	·539	·112	86·5	78·4	8·1	83·0	78·0	5·0	4·0	0·2	1·9	82·1	83·4	84·7	85·6	79·5	·985	·92	494	10·8
6		·691	·586	·105	80·6	76·6	4·0	80·0	76·0	4·0	2·4	0·0	0·8	79·9	82·9	84·6	85·7	78·1	·944	·97	499	10·2
7		·700	·620	·080	83·4	77·6	5·8	81·1	76·6	4·5	2·4	0·0	1·2	80·8	82·9	84·5	85·7	79·0	·973	·95	496	10·5
8	Eq.																					
9		·744	·669	·075	79·3	77·0	2·3	79·0	76·0	3·0	2·0	0·0	0·8	78·6	81·8	84·3	85·6	76·8	·908	·97	502	9·9
10	☾	·726	·645	·081	82·6	77·1	5·5	80·5	76·6	3·9	2·6	0·1	1·3	80·1	82·0	84·0	85·7	78·3	·950	·95	498	10·2
11		·723	·634	·089	86·4	79·5	6·9	83·0	78·0	5·0	5·3	0·5	2·2	81·5	82·6	83·9	85·6	79·0	·971	·91	496	10·4
12		·703	·621	·082	88·4	79·5	8·9	82·9	77·2	5·7	6·4	1·3	3·3	82·4	83·3	83·8	85·5	78·8	·965	·87	494	10·4
13		·711	·637	·074	88·7	80·8	7·9	82·2	78·5	3·7	6·7	2·0	4·1	83·7	83·8	83·9	85·6	78·6	·969	·84	493	10·4
14		·689	·596	·093	87·4	81·0	6·4	82·0	78·8	3·2	6·4	1·3	3·4	82·9	84·5	84·0	85·5	78·7	·961	·87	494	10·4
15	Gtst. N. Dec.																					
16		·634	·567	·067	81·9	77·0	4·9	80·2	77·2	3·0	2·7	0·0	1·6	80·5	83·2	84·2	85·5	78·0	·941	·93	496	10·2
17		·655	·558	·097	83·2	78·8	4·4	80·0	76·2	3·8	4·7	1·0	2·6	81·2	83·3	84·2	85·5	77·9	·936	·90	495	10·1
18	●	·689	·598	·091	85·4	77·4	8·0	82·2	76·4	5·8	4·7	1·0	2·2	81·5	83·0	84·1	85·4	78·1	·943	·91	496	10·1
19		·687	·617	·070	82·3	75·4	6·9	80·0	73·3	6·8	3·6	0·0	0·9	79·3	82·4	84·1	85·4	77·4	·921	·96	499	9·9
20		·684	·603	·081	79·6	77·2	2·4	78·6	76·4	2·2	1·4	0·0	0·5	78·5	81·8	84·0	85·4	77·1	·914	·96	501	9·9
21	Eq	·676	·592	·084	85·0	79·6	7·4	81·2	77·2	4·0	4·7	0·3	1·7	80·3	82·0	83·9	85·5	78·1	·943	·93	497	10·2
22																						
23		·662	·588	·074	84·5	79·0	5·5	81·4	77·0	4·4	4·0	1·0	2·0	80·9	82·6	83·8	85·5	78·4	·951	·92	495	10·2
24	☽	·671	·599	·072	84·5	78·8	5·7	80·5	77·7	2·8	4·0	0·8	2·6	81·1	82·8	83·8	85·5	77·8	·936	·90	496	10·1
25		·641	·578	·063	86·4	80·0	6·4	81·4	78·0	3·4	5·0	1·4	2·7	81·3	83·0	83·9	85·4	77·9	·938	·89	494	10·1
26		·653	·576	·077	85·8	80·4	5·4	81·0	78·0	3·0	4·4	1·4	2·7	81·8	83·2	83·9	85·4	78·3	·950	·89	494	10·1
27		·665	·593	·072	86·2	80·4	5·8	81·2	77·2	4·0	5·0	1·7	2·8	81·6	83·2	83·9	85·3	78·0	·940	·89	495	10·1
28	Gtst. S. Dec.	·678	·584	·094	86·2	78·3	7·9	81·5	77·0	4·5	5·0	1·3	2·7	81·5	83·2	84·0	85·2	78·1	·944	·89	495	10·1
29																						
30		·674	·596	·078	84·0	79·9	4·1	80·8	78·0	2·8	3·8	1·2	2·2	81·2	83·2	84·0	85·2	78·3	·949	·91	495	10·1
31		·698	·612	·086	85·5	80·0	5·5	81·6	78·0	3·6	4·5	1·4	2·5	81·7	83·2	84·0	85·1	78·5	·955	·90	496	10·4
AUGUST 1860.																						
1	○																					
2		·742	·629	·113	81·7	77·2	4·5	79·3	75·2	4·1	5·0	0·4	2·1	79·7	82·4	84·0	85·0	76·6	·900	·91	497	9·8
3		·675	·595	·080	83·8	77·2	6·6	79·8	76·0	3·8	4·0	1·0	2·0	79·6	82·2	83·9	85·0	76·8	·905	·92	497	9·9
4	Eq.	·686	·604	·082	84·3	78·7	5·6	80·0	77·0	3·0	4·6	1·5	2·8	78·1	82·3	83·9	85·0	77·0	·910	·89	496	9·8
5																						
6		·712	·631	·081	84·0	77·8	6·2	79·2	75·3	3·9	5·0	1·2	2·5	79·9	82·5	83·8	84·9	76·5	·897	·90	497	9·8
7		·697	·584	·113	85·3	76·7	8·6	81·0	76·0	5·0	4·6	0·7	2·8	80·5	82·6	83·8	83·0	76·8	·905	·89	496	9·8
8		·654	·584	·070	82·4	76·6	5·8	79·8	75·5	4·3	4·0	0·5	2·0	79·2	82·1	83·6	84·9	76·4	·892	·92	498	9·6
9	☾	·752	·613	·139	85·6	76·6	9·0	80·2	75·0	5·2	5·4	0·3	2·2	79·5	82·0	83·6	84·9	76·5	·897	·91	498	9·8
10		·821	·714	·107	85·5	77·4	8·1	80·5	76·8	3·7	5·0	0·6	2·5	80·6	82·5	83·6	84·9	77·5	·926	·90	498	10·1
11		·777	·690	·087	85·0	78·2	6·8	81·0	76·0	5·0	4·5	1·4	2·7	80·4	82·4	83·5	84·9	76·8	·906	·89	498	9·8
12	Gtst. N. Dec.	·732	·661	·071	85·4	78·2	7·2	81·0	76·0	5·0	5·2	2·0	2·9	80·3	82·4	83·5	84·9	76·5	·896	·88	497	9·8
13																						
14		·725	·647	·078	82·4	77·0	5·4	79·2	76·0	3·2	4·5	1·0	2·6	79·9	82·2	83·5	84·8	76·3	·889	·89	498	9·5
15		·765	·664	·101	85·0	76·8	8·2	81·0	76·0	4·0	5·0	0·8	2·4	80·0	82·2	83·5	84·7	76·7	·902	·90	498	9·8
16	●	·759	·670	·089	85·4	77·4	8·0	80·0	76·0	4·0	5·5	0·6	2·8	80·4	82·3	83·5	84·7	76·7	·903	·89	497	9·8
17		·714	·618	·096	79·6	76·6	3·0	77·6	75·0	2·6	3·0	1·2	1·9	78·8	82·1	83·4	84·7	75·8	·877	·92	501	9·6
18	Eq.	·708	·624	·084	83·6	76·0	7·6	80·4	75·0	5·4	3·5	0·0	1·8	79·1	81·5	83·4	84·7	76·6	·898	·93	499	9·9
19																						
20		·857	·771	·086	87·0	77·6	9·4	80·4	76·0	4·4	7·0	0·8	3·3	80·8	82·4	83·2	84·5	76·8	·906	·87	499	9·8
21		·841	·738	·103	87·4	78·0	9·4	80·0	76·0	4·0	7·4	2·0	4·3	81·1	82·7	83·2	84·5	75·8	·877	·83	498	9·5
22		·791	·707	·084	86·8	79·0	7·8	80·0	76·2	3·8	6·8	2·5	4·1	81·4	82·9	83·2	84·5		·889	·84	497	9·5
23	☽	·806	·798	·098	86·5	79·2	7·3	81·0	76·0	5·0	6·5	2·0	3·8	81·3	83·0	83·2	84·5		·895	·85	497	9·5
24	Gtst. S. Dec.	·824	·728	·096	86·0	79·0	7·0	80·0	76·0	4·0	6·4	2·2	4·1	81·1	82·9	83·2	84·5		·879	·84	498	9·5
25		·839	·757	·082	87·8	78·7	9·1	80·0	76·0	4·0	7·8	2·7	4·7	81·7	83·1	83·2	84·5		·885	·82	497	9·5
26		·889	·779	·110	88·0	78·8	9·2	80·0	76·4	3·6	8·8	2·0	5·2	82·0	83·3	83·4	84·6		·873	·80	497	9·5
27																						
28		·880	·769	·111	87·2	80·4	6·8	79·5	76·2	3·3	7·8	3·4	5·0	82·1	83·5	83·6	84·6		·877	·81	497	9·5
29		·847	·719	·128	86·3	78·2	8·1	79·4	76·0	3·4	8·2	1·2	4·3	81·5	83·4	83·8	84·7		·877	·83	498	9·5
30		·823	·698	·125	87·0	78·3	8·7	79·0	75·2	3·8	8·0	1·5	4·5	81·4	83·3	83·8	84·7		·869	·82	497	9·5
31	Eq. ○	·826	·715	·111	87·4	79·3	8·1	80·0	76·0	4·0	8·0	2·0	4·8	82·1	83·5	83·8	84·7		·881	·81	496	9·5

all the Meteorological Observations, and the Daily changes in the state of the Weather.

Weight in Grains required for complete Saturation of a Cubic Foot of Air.	Quantity of Water actually evaporated in the Air.	Pressure of supposed Dry Air.	Rain: inches by Newman's Gauge.	Wind. Direction. From Midnight to Noon.	Wind. Direction. From Noon to Midnight.	Wind. Force in Pounds on a square foot. Greatest.	Least.	Daily Range	Atmospheric Electricity.	Extent of Cloudy Sky.	Clouds and Weather. Notation used: ∖i cirri; ∨∖i cirro-cumuli; ∨i cumuli; ∖_i cirro-strati; and ∨∖_i nimbi; direction of wind by initial letters; hor., horizon. A. M.	P. M.
grs.	in.	in.	in.			lb.	lb.	in.				
0·6	0·049	28·603	0·76	calm & SW	SW	0·4	0·0	0·4	weak	8·0	∖i, ∨∖i, and ∨∖i; rain.	∖i, ∨∖i, and ∨∖i, motion E; rain.
0·6	·043	·578	0 24	SE	S	2·0	0·1	1 9	none	8·0	∨∖i, motion NE; rain.	∨∖i, motion NE; rain.
1·0	·090	·579	0·37	SW	,,	0·7	0 0	0 7	,,	7·8	∨∖i and ∨∖i, motion NE; rain.	∖i, ∨∖i, and ∨∖i; lightning, thunder, and rain.
0·7	·084	·601	0·27	SE	SW	0·7	0·1	0·6	,,	7·6	∨∖i and ∖i, motion NE; light rain.	∖i, ∨∖i, and ∨∖i, motion NE; light rain.
0·3	·032	·696	1·42	SW	SSW	1 5	0·0	1·5	,,	7·9	∨∖i and ∨∖i, motion NE; strong rain.	∨∖i, motion NE; strong rain.
0·6	·048	·690	0·84	S	S	0·4	0 0	0·4	,,	8·0	∨∖i, motion NE; light rain.	∨∖i and ∖i, motion NE; rain.
0·3	·034	·700	2·51	,,	SW	2·5	0·0	2·5	Sp.	8·0	∨∖i, motion NE; rain.	∨∖i, motion NE; rain.
0·6	·052	·746	0·29	SSW	,,	0 8	0·0	0·8	none	8 0	∨∖i, rain, and lightning.	,, ,, ,,
1·1	·097	·713	0·10	SW	WSW	0·6	0·0	0 6	,,	5·9	∖i, ∨∖i, ∨∖_i, and rain.	∖i, ∨∖i, and ∨∖_i; drizzling rain.
1·4	·145	·699	0·01	W	SW	1·2	0·0	1·2	,,	5·4	,, ,, ,,	∖i, ∨∖i, and ∨∖i, motion E; drizzling rain.
1·8	·180	·714	0·00	SW	W	0·8	0·1	0·7	,,	4·9	∖i, ∨∖i, and ∨∖i; drops of rain.	∖i, ∨∖i, and ∨∖i, motion E.
1·4	·153	·691	0·16	W	,,	1·2	0·2	1·0	,,	7·5	∨∖i and ∨∖i, motion E.	∨∖i and ∨∖i, motion E; rain.
0·6	·067	·664	2 42	variable.	SSW	0·5	0 1	0·4	,,	7·8	∖i, ∨∖i, and ∨∖i, motion ENE; rain.	∖i, ∨∖i, and ∨∖i; rain.
1·0	·112	·675	0·06	SSW	,,	2 0	0·1	1 9	,,	7·5	∖i, ∨∖i. and ∨∖i, motion NE; rain and wind.	∨∖i and ∨∖i, motion ENE; rain.
1·0	·094	·699	0.32	SW	SW	2·5	0 0	2·5	,,	7·5	∨∖i and ∨∖i, motion NE; rain and wind.	∖i, ∨∖i, and ∨∖i; light rain.
0·6	·039	·729	3·06	calm	W & SW	0·7	0·0	0·7	,,	8·0	∨∖i, motion ENE; rain.	∨∖i, motion E; rain.
0·6	·023	·640	1·51	SW	SW	2·2	0·0	2·2	,,	7·7	∨∖i and ∨∖i, motion NE; rain and wind.	∨∖i, motion ENE; rain.
0·6	·074	·693	0·66	,,	,,	1·6	0 0	1·6	,,	7·0	∨∖i and ∨∖i, motion NE; rain.	∨∖i, motion E; rain.
0·9	·085	·673	0·46	,,	,,	2 7	0·3	2·4	,,	7·4	∨∖i, ∨∖i, and ∖i, motion E; rain and wind.	∨∖i, motion ENE; rain and wind.
1·0	·111	·696	0·10	SSW	,,	3·0	0·1	2·9	,,	8·0	∨∖i, motion ENE; rain and wind.	,, ,, ,, ,,
1·4	·115	·672	0·04	,,	,,	3·0	0·2	2 8	,,	7·1	∨∖i, ∨∖i, and ∖i, motion ENE; drops of rain.	∨∖i, motion NE; rain.
1·4	·117	·665	0·00	SW	,,	1·5	0·1	1·4	,,	7·7	∨∖i and ∨∖i, motion NE; wind.	∨∖i and ∨∖i, motion ENE; rain and wind.
1·4	·120	·690	0·09	,,	,,	4·7	0·4	4·3	,,	7·8	∨∖i and ∨∖i, motion ENE; strong wind.	,, ,, ,, ,,
1·4	·115	·696	0·31	,,	,,	5·2	0·2	5·0	,,	7·0	∨∖i and ∨∖i, motion ENE; rain and strong wind.	∖i, ∨∖i, and ∨∖i, motion ENE; drops of rain [and wind
1·0	·094	·690	0·01	,,	,,	1·7	0·1	1·6	,,	7·5	∨∖i, motion ENE; drizzling rain and wind.	∨∖i and ∨∖i, motion ENE; drops of rain.
1·1	·107	·698	0·00	,,	,,	0·7	0·1	0·6	,,	7·5	∨∖i and ∨∖i, motion ENE.	∨∖i and ∨∖i, motion NE.
1·0	·089	·776	0·19	SW	WSW	6·0	0·1	5·9	none	7·6	∨∖i and ∨∖i, motion ENE; light rain.	∨∖i, motion ENE; light rain.
0·9	·084	·727	0·19	,,	SW	4·0	0·4	3·5	,,	8·0	∨∖i, motion ENE; drizzling rain.	,, ,, ,,
1·3	·120	·741	0·08	,,	WSW	2·5	0·1	2·4	,,	7·6	∨∖i and ∨∖i, motion ENE; light rain.	∨∖i and ∨∖i, motion ENE; rain drops.
1·0	·104	·770	1·29	W	W & WSW	2 0	0·1	1·9	,,	7·9	∨∖i and ∨∖i, motion E; light rain.	∨∖i and ∨∖i, motion E; light rain.
1·3	·116	·736	0·42	WSW	WSW	1·8	0·1	1·7	,,	7·6	∨∖i, ∨∖i, and ∖i; drops of rain.	,, ,, ,, ,,
0·9	·081	·726	0·53	,,	SW	3·0	0·1	2·9	,,	8·0	∨∖i, motion E; smart rain.	∨∖i and ∨∖i, rain at 11 P. M.
1·0	·092	·784	0·89	,,	WSW	1·5	0·2	1·3	,,	7·0	∨∖i and ∨∖i, motion NE; smart rain.	∨∖i and ∨∖i, motion ENE; light rain.
1·0	·104	·843	0·41	SW	SW	2·5	0·1	2·4	,,	6·1	∨∖i, motion ENE; light rain.	∨∖i and ∨∖i, motion ENE; rain.
1·3	·111	·830	0·10	,,	WNW	1·5	0·1	1·4	,,	6·5	∨∖i and ∨∖i, motion ENE; light rain.	∨∖i and ∨∖i, motion E; rain.
1·3	·121	·800	0·02	,,	SW	2·5	0·2	2·3	,,	7·1	∨∖i and ∨∖i, motion ENE; rain.	∨∖i and ∨∖i, motion ENE; rain.
1·3	·109	·796	0·03	,,	,,	2·0	0·1	1·9	,,	8·0	∨∖i, motion ENE; drizzling rain.	∨∖i, motion ENE; drops of rain.
1·0	·103	·811	0·14	,,	WSW	3·5	0·1	3·4	,,	7·4	∨∖i, motion NE; rain.	∨∖i, ∨∖i, and ∖i, motion E; rain.
1 3	·118	·809	0·29	,,	W & SW	0·5	0·1	0·4	,,	6·8	∨∖i, motion E; light rain.	∨∖i, motion E; light rain.
0·6	·078	·794	0·83	,,	WNW	3·3	0 1	3 2	,,	7·6	∨∖i and ∨∖i, motion E; light drizzling rain.	,, ,, ,,
0·6	·072	·763	0·37	calm	SSW	0 4	0·0	0·4	,,	7·9	∨∖i, motion E; rain.	∨∖i, motion E; drops of rain.
1·3	·141	·904	0·04	SW	SW	0·2	0·0	0·2	,,	4·1	∨∖i and ∨∖i, motion E; rain.	∨∖i, motion NE.
2·0	·183	·918	0·00	calm	,,	0·1	0·0	0 1	,,	4·6	∖i and ∨∖i, motion ENE.	∖i and ∨∖i, motion ENE; light rain.
2·0	·174	·856	0·09	WSW	SW & calm	0·4	0 0	0·4	,,	6·5	∨∖i and ∨∖i, motion ENE; light rain.	∖i and ∨∖i, motion NE; drops of rain.
2·0	·159	·865	0·18	SW	W & SW	0·6	0·0	0 6	,,	6·0	∖i, ∨∖i, and ∨∖i, motion ENE; drizzling rain.	∨∖i and ∨∖i, motion NE; light rain.
1·6	·171	·879	0·00	,,		0·4	0 0	0·4	,,	5 5	∨∖i, motion NE; light rain.	∖i, ∨∖i and ∨∖i, motion NE; lt. rain at 1 P.M.
2·3	·198	·919	0·00	,,	WSW	0·2	0·0	0·2	,,	5·8	∖i and ∨∖i, motion NE.	∖i, ∨∖i, and ∨∖i, motion NE; lightning.
2·3	·124	·951	0·00	calm	SW	0·1	0 0	0·1	,,	4·6	∖i, ∨∖i, and ∨∖i, motion NE.	∖i, ∨∖i, and ∨∖i, lightning.
2·3	·217	·948	0·00	W	NW & calm	0·5	0.0	0·5	,,	7·3	∖i, ∨∖i, and ∨∖i, motion E.	∖i, ∨∖i, and ∨∖i; drops of rain at 11 P. M.
2·0	·183	·890	0·05	variable	WNW	0·5	0·0	0·5	,,	6·8	∨∖i and ∨∖i, motion ESE; light rain at sunrise.	∖i, ∨∖_i, and thunder; motion ESE.
2·0	·191	·890	0·01	,,	NW	0·3	0·0	0·3	,,	5·1	∨∖i and ∖i, light rain at 4 A. M.	∖i, ∨∖i, and ∨∖i, motion ESE.
2·3	·206	·884	0·00	N	,,	0·3	0·0	0·3	,,	4·4	∨∖i, motion ESE.	∖i and ∨∖i about hor.

TABLE V.—*Showing, in the Months of September and October, the Mean Daily Value of*

Days of the Month.	Phases of the Moon.	Barometer No. 58 corrected to 32° Fahrenheit.			Reading of Air Thermometers.									Ground Thermometers.				Mean daily Value of Hygrome-				
					Thermometer in External and Air.			Wet Bulb Thermometer.			Difference between Wet Bulb Temperature and the Air Temperature.											
		Greatest.	Least.	Daily Range.	Greatest.	Least.	Daily Range.	Greatest.	Least.	Daily Range.	Greatest.	Least.	Mean daily Value.	Under the Surface of the Ground 1 inch.	Thermometer whose Bulb is 9 inches below the surface of ground.	Thermometer whose Bulb is 20 inches below the surface of ground.	Thermometer whose Bulb is 60 inches below the surface of ground.	Dew-point.	Pressure of Moisture.	Humidity of Air. Saturation = 1·00.	Weight in Grains of a Cubic Foot of Air.	Weight in Grains of Vapour in a Cubic Foot of Air.
		in.	in.	in.	°	°	°	°	°	°	°	°	°	°	°	°	°	°	in.		grs.	grs.
SEPTEMBER 1860.																						
1		29·812	29·690	0·122	89·0	79·6	9·4	80·0	76·0	4·0	9·2	2·0	5·2	82·2	83·6	83·8	84·7	75·8	0·874	0.80	496	9·5
2																						
3		·740	·650	·090	85·8	76·5	9·3	80·0	76·0	4·0	7·8	0·5	3·6	81·5	83·6	83·5	84·4	76·4	·893	·86	497	9·5
4		·714	·612	·102	81·4	76·4	5·0	79·0	75·7	3·3	2·4	0 3	0·9	78·6	82·7	83·5	84·3	76·4	·892	·96	501	9·6
5		·689	·595	·094	81·3	76·0	5·3	78·2	75·4	2·8	2·5	0·2	1·3	78·9	82·0	83·3	84·2	76·8	·906	·95	499	9·9
6		·664	·598	·066	80·7	76·6	4·1	79·0	76·0	3·0	2·7	0·2	0·8	78·5	81·8	83·2	84·2	77·3	·918	·97	501	9·9
7	☾	·696	·619	·077	84·0	77·0	7·0	81·0	76·0	5·0	3·0	0·6	1·7	79·4	81·7	83·0	84·2	77·1	·913	·93	499	9·9
8	Gtst. N. Dec.	·696	·618	·078	84·0	78·2	5·8	80·0	76·5	3·5	4·0	0·8	2·3	80·6	82·2	83·0	84·2	77·7	·930	·91	496	10 1
9																						
10		·826	·744	·082	84·8	78·7	6·1	80·0	76·6	3·4	5·8	1·6	3·5	81·3	82·7	82·9	84·2	76·7	·903	·86	496	9·8
11		·865	·767	·098	82·8	78·4	4·4	80·0	76·0	4·0	4·6	1·6	2·4	80·2	82·6	82·9	84·2	76·8	·904	·90	500	9·8
12		·844	·751	·093	85·7	78·0	7·7	80·0	77·0	3·0	7·1	1·0	3·6	81·2	82·7	82·9	84·2	76·6	·899	·86	498	9·8
13		·843	·734	·109	85·7	79·2	6·5	79·0	76·3	2·7	6·7	2·4	4·3	81·5	83·0	83·0	84·2	76·1	·882	·83	498	9·5
14	Eq. ●	·815	·737	·078	85·0	79·4	5·6	79·2	76·0	3·2	6·5	2·5	4·1	81·1	82·9	83·0	84·2	75·7	·874	·84	498	9·5
15		·784	·700	·084	86·7	79·4	7·3	80·0	77·0	3·0	7·4	1·4	4·2	81·9	83·2	83·1	84·2	76·6	·900	·84	497	9·8
16																						
17		·752	·675	·077	88·3	79·4	8·9	80·8	76·2	4·6	7·6	2·4	4·5	82·2	83·5	83·2	84·2	76·7	·902	·82	495	9·8
18		·741	·665	·076	88·2	79·2	9·0	81·2	76·5	4·7	7·0	2·5	4·0	81·7	83·5	83·2	84·2	76·5	·895	·84	496	9·8
19		·775	·698	·077	88·0	78·8	9·2	80·0	76·0	4·0	8·0	2·4	4·6	81·9	83·5	83·2	84·2	76·1	·886	·82	496	9·5
20	Gtst. S. Dec.	·826	·743	·083	87·0	78·2	8·8	80·0	76·0	4·0	7.6	1·0	4·2	81·6	83·4	83·3	84·3	76·1	·884	·83	497	9·5
21	☽	·847	·780	·067	87·6	78·2	9·4	80·4	75·0	5·4	8·1	2·8	4·8	81·4	83·4	83·5	84·3	75·0	·855	.81	498	9·2
22		·859	·780	·079	88·0	77·4	10·6	79·5	74·6	4·9	9·4	2·4	5·1	81·4	83·3	83·5	84·3	74·9	·851	·81	498	9·2
23																						
24		·862	·751	·111	87·9	77·8	10·1	79·0	75·0	4·0	9·5	1·8	4·9	81·2	83·1	83·3	84·2	74·8	·849	·81	498	9·2
25		·849	·743	·106	87·0	77·6	9·4	79·4	75·0	4·4	9·2	1·6	4·6	81·4	83·1	83·2	84·1	75·1	·858	·82	498	9·2
26		·807	·674	·133	87·2	77·4	9·8	79·5	76·0	3·5	7·7	1·4	4·0	81·3	83·2	83·1	84·1	76·0	·881	·84	498	9·5
27		·749	·617	·132	87·0	77·4	9·6	81·0	76·0	5·0	7·0	0·6	3·1	81·0	83·1	83·1	84·0	76·9	·908	·88	497	9·8
28	Eq.	·734	·619	·115	88·6	79·0	9·6	82·6	77·0	5·6	7·0	1·0	3·5	82·4	83·5	83·2	84·1	78·3	·948	·86	494	10·1
29	○	·755	·645	·110	83·0	79·0	4·0	79·5	77·0	2·5	4·0	1·2	2·5	80·9	83·5	83·3	84·2	77·2	·915	·90	497	9·8
30																						
31																						
OCTOBER 1860.																						
1		·840	·726	·114	89·0	80·4	8·6	82·0	78·4	3·6	7·6	1·4	4·0	83·1	84·0	83·5	84·2	78·4	·952	·85	496	10·1
2		·841	·750	·091	88·1	80·9	7·2	81·1	78·0	3·1	7·7	2·5	4·6	83·2	84·2	83·6	84 0	77·5	·926	·83	496	10·1
3		·853	·754	·099	88·0	79·1	8·9	81 0	76 0	5·0	7·8	1·5	4·4	82·7	84·2	83·8	84·0	77·2	·916	·83	497	9·8
4		·917	·784	·133	85·2	76·5	8·7	79·0	74·0	5·0	7·8	1·3	4·0	80·0	83·4	84·0	84·2	74 3	·836	·84	501	8.9
5	Gtst. N. Dec.	·927	·833	·089	85·9	77·8	8·1	79·5	74·2	5·3	7·2	0·4	4·4	80·6	83·0	84·0	84·2	74·8	·848	·83	500	9·2
6		·954	·847	·107	87·3	77·0	10·3	78·5	74·0	4·5	9·3	1·6	5 2	80·1	82·9	84 0	84·2	74·2	·833	·80	500	8·9
7																						
8		·953	·860	·093	87·2	79·7	7·5	80·6	77·5	3·1	6 8	1·9	3·7	82·5	83·7	84·0	84·5	77·8	·936	·86	499	10·1
9		·953	·804	·149	88·2	79·4	8·8	82·0	79·0	3·0	7·0	1·4	3·4	82·9	83·9	84·0	84·5	78·6	·959	·87	498	10·4
10		·853	·729	·124	88·2	79·0	9·2	82·0	78·0	4·0	7·4	1·0	3·4	83 0	84·2	84·0	84·5	78·9	·969	·87	496	10·4
11		·815	·677	·138	92·8	80·0	12·8	82·0	74·6	7·4	13·8	1·2	6·1	84 0	84·6	84·1	84·5	76·6	·900	·78	493	9·8
12	Eq.	·823	·712	·111	90·3	80·5	9·8	82·4	75·0	7·4	9·1	1·2	5.2	83·5	84·6	84·0	84·5	77·2	·916	·80	495	9·8
13		·862	·751	·111	90·0	80·2	9·8	83·0	79·0	4·0	8·0	0·9	3·7	83·9	84·9	84·3	84·6	79·4	·983	·87	496	10·4
14																						
15		·847	·719	·128	90·8	79·1	11·7	83·0	75·5	7·5	9·3	2·0	4·8	82 8	84·9	84·4	84·5	76·8	·906	·82	497	9·8
16		·837	·688	·149	88·8	74·2	14·6	81·7	72·2	9·5	7.4	1·0	4·2	82·4	84·5	84·5	84·6	76 9	·905	·84	496	9·8
17		·823	·703	·120	88 1	77·5	10·6	81·0	74·2	6·8	8·3	2·0	5·0	81·8	84·0	84·5	84·6	75·4	·864	·81	497	9·2
18	Gtst. S. Dec.	·869	·720	·149	90·2	78·8	11·4	81·5	76·6	4·9	8·9	1·5	4 3	83·3	84·4	84·5	84·6	78·1	·942	·84	496	10·1
19		·872	·759	·113	90·2	76·8	13·4	83·0	75 0	8·0	7·7	0·8	3·0	81·8	84·2	84·5	84·6	77·8	·933	·89	498	10·1
20		·877	·754	·123	85·4	77·6	7·8	81·0	77·0	4·0	5·0	0·4	2·3	81·2	83·8	84·4	84·5	78·0	·940	·91	499	10·1
21																						
22		·890	·730	·160	90·0	78·5	11·5	80·0	77·0	3·0	10·0	1·0	4·0	82·0	84·1	84·3	84·7	77·2	·915	·85	499	9·8
23		·847	·713	·134	89·1	79·5	9·6	82·0	78·0	4·0	7 5	1·3	3·8	83·2	84·3	84·4	84·7	78·6	·959	·85	495	10·4
24		·835	·711	·124	91·1	79·8	11·3	82·7	78·0	4·7	9·6	1·0	4·4	84.0	84·8	84·5	84·7	78·9	·966	·83	493	10·4
25	Eq.	·873	·749	·124	90·6	80·8	9·8	82·5	76·6	5·9	9 6	1·8	4·4	84·1	85·1	84 5	84·7	78·8	·963	·83	494	10·4
26		·848	·724	·124	91·1	79·6	11·5	83.5	78·0	5·5	7·9	1·4	3·8	84·2	85·2	84·7	84·8	79·7	·991	·85	494	10·7
27		·849	·723	·126	90·3	80·8	9·5	83·0	79·0	4·0	8·3	1·8	4·1	84·4	85·4	84·9	85·0	79·5	·985	·84	494	10·7
28																						
29		·858	·755	·103	89·4	80·2	9·2	82 4	78·1	4·3	8·8	1·0	3·9	83·4	85 1	84·9	85·0	78·6	·959	·85	496	10·4
30		·882	·779	·103	88·4	77·6	8 8	80·0	75·6	4·4	9·8	1·0	4·9	82·7	84·8	83·0	85·1	76·4	·892	·81	496	9·5
31		·889	·774	·115	88·3	77·5	10·8	79·0	74·0	5·0	12·0	1·5	6·9	81·5	84·3	85·0	85·0	73·7	·819	·77	499	8·9

all the Meteorological Observations, and the Daily Changes in the state of the Weather.

Weight in Grains required for complete Saturation of a Cubic Foot of Air.	Quantity of Water actually evaporated in the Air.	Pressure of supposed Dry Air.	Rain: inches by Newman's Gauge.	Wind. Direction. From Midnight to Noon.	Wind. Direction. From Noon to Midnight.	Force in Pounds on a square foot. Greatest.	Force in Pounds on a square foot. Least.	Force in Pounds on a square foot. Daily Range.	Atmospheric Electricity.	Extent of Cloudy Sky.	Clouds and Weather. A. M.	Clouds and Weather. P. M.
grs.	in.	in.	in.			lb.	lb.	lb.			Notation used: Ni cirri; Nci cirro-cumuli; Ci cumuli; Lci cirro-strati; Cci cumulo-strati and Lcu nimbi; direction of wind by initial letters; hor., horizon.	
2·3	0·223	28·888	0 00	variable	W	0·4	0·0	0·4	none	6·1	Ni and Lci, motion E.	Ni and Lci, motion E.
1.6	·154	·799	0·24	calm	S	0·4	0·0	0·4	,,	8·0	Ni, Nci, and Lci, motion SE; drops of rain.	Ni, Nci, and Lci, motion NE; rain.
0·6	·036	·780	1·09	,,	W & WSW	0·3	0·0	0·3	,,	8·0	Lci, motion NE; rain.	Lci, motion SE; rain.
0·6	·055	·740	3·25	W	W	0·7	0·0	0·7	mod.	8·0	Lci, motion SE; rain.	Lci, motion SE; lightning and rain.
0·3	·031	·712	1·24	,,	variable	1·5	0·1	1·4	,,	7·9	Lci, motion SE; lightning, thunder, and rain.	Lci, motion E; rain.
0·6	·070	·741	0·93	,,	WSW	0·7	0·0	0·7	none	7·2	Lci, motion ENE; rain.	Ni, Nci, and Lci, motion E; rain.
1·0	·097	·726	0·17	WSW	W	2·0	0·1	1·9	,,	7·2	Ni, Nci, and Lci, motion E; rain.	Nci and Lci, motion ESE; rain.
1·7	·150	·885	0·14	NW	NW	0·4	0·0	0·4	,,	7·8	Nci and Nci, motion SE.	Ni and Lci, motion SE; rain.
1·0	·101	·909	0·00	WNW	,,	0·3	0·0	0·3	,,	7·1	Ni, Nci, and Lci, motion E; lightning and rain.	Ni, Nci, and Lci, motion SE; rain.
1·7	·154	·898	0·00	,,	WNW	0·8	0·0	0·8	,,	5·0	Lci, motion ESE.	Ni, Nci, and Lci, motion SE.
2·0	·181	·900	0·00	NW	,,	0·4	0·0	0·4	,,	5·2	Lci, motion E.	Ni and Lci, motion SE; drops of rain.
1·0	·173	·894	0·03	WNW	W	0·4	0·1	0·3	,,	6·8	Ni and Lci, motion ESE.	Lci and Nci, motion SE.
1·7	·180	·836	0·00	W & calm	,,	0·5	0·0	0·5	,,	7·3	Nci and Lci, motion ESE.	Ni, Nci, and Lci, motion E; drops of rain.
2·0	·195	·807	0·02	W & WSW	,,	0·5	0·0	0·5	,,	4·0	Lci and Ni, motion E.	Lci and Ni, motion E.
1·7	·172	·805	0·08	variable	W & SW	0·4	0·0	0·4	,,	5·0	Lci and Ni, motion E; drops of rain.	Lci and Nci, passing showers of rain.
2·0	·197	·843	0·00	,,	SW	0·3	0·0	0·3	,,	3·5	Lci, motion E; drops of rain.	Cci, Nci, and Nci; drops of rain.
2·0	·179	·895	0·01	calm & E	,,	0·2	0·0	0·2	,,	3·5	Lci and dew; drops of rain.	Ni, Nci, and Lci; drops of rain.
2·3	·202	·961	0·00	variable	W & calm	0·4	0·0	0·4	,,	3·4	Ni and Lci, motion ENE; rain.	Ni, Lci, and Nci, motion E.
2·3	·216	·966	0·00	calm & SE	W	0·4	0·0	0·4	,,	4·1	Lci and Nci, motion NE.	Lci, motion E; drops of rain.
2·3	·208	·960	0·00	E	SW & calm	0·5	0·1	0·5	,,	2·2	Lci and Ni, motion E.	Lci and Nci, motion E.
2·3	·202	·938	0·00	calm	WNW	0·3	0·0	0·3	,,	3·2	Lci and Nci, motion variable.	Ni, Nci, and Lci.
1·6	·166	·867	0·09	,,	NW	0·7	0·0	0·7	,,	7·2	Ni, Nci, and Lci, motion SE.	[rain. Ni, Lci, and Nci; lightning, thunder, and
1·3	·132	·787	0·74	,,	WNW	0·5	0·0	0·5	mod.	6·4	Ni, Nci, and Lci, motion variable; a few drops of [rain.	,, ,, ,, ,, ,,
1·7	·146	·729	0·00	SSE	W	0·2	0·0	0·2	,,	6·4	Ni, Nci, and Lci, motion S.	Nci and Nci; lightning, thunder, and drop [of rain.
1·3	·106	·786	0·00	ENE SSE	S	0·8	0·0	0·8	none	7·2	Ni, Nci, and Lci; lightning and thunder.	Ni, Nci, and Lci; a few drops of rain.
2·1	·017	·836	none	calm & SE	W	0·4	0·0	0·4	none	5·3	Lci and Ni, motion E.	Lci and Ni, motion E; thunder.
2·1	·202	·872	,,	WNW	WNW	0·5	0·0	0·5	,,	4·8	Lci and Ni, motion SE.	Lci and Ni; drops of rain at 11h.
2·0	·192	·888	,,	N	W	0·5	0·0	0·5	,,	5 5	Lci and Ni, motion SE; dew.	Lci and Ni; thunder and rain at 11 h.
1·9	·162	29·012	0·10	variable	W & NW	0·5	0·0	0·5	,,	6·2	Lci and Ni, motion SE; drops of rain.	Lci, Nci, and Ni, motion E.
1·9	·182	·022	0·96	calm	WNW	0·3	0·0	0·3	,,	3·8	Lci and Nci, motion SE; light rain.	Lci, Nci, and Ni, motion SE.
2·6	·217	·059	0·00	calm & NE	W	0·2	0·0	0·2	,,	3·2	Lci and Ni, motion E; dew.	Lci and Ni, motion SE.
1·7	·162	28·968	none	calm	W	0·4	0·0	0·4	,,	7·0	Lci, Nci, and Ni; lightning, motion SSE; thunder.	Lci, Ni, and Nci; thunder and rain-bow.
1·4	·152	·912	,,	,,	NW	1·0	0·0	1·0	,,	4 2	Ni, Nci, and Lci, motion E; dew.	Ni, Nci, and Lci; dew.
1·8	·150	·824	,,	NW	,,	0·7	0·0	0·7	,,	4·1	Ni and Nci; dew.	Nci scattered about hor.
2·7	·267	·850	,,	calm	,,	0·4	0·0	0·4	,,	5·1	Nci and Lci, motion ESE.	Lci and Nci, motion W; lightning.
2·4	·230	·855	,,	calm & N	variable.	0 2	0·0	0 2	mod.	3·7	Nci and Nci.	Ni, Nci, and Ci; dew and lightning.
1·8	·163	·821	,,	calm	,,	0·2	0 0	0·2	,,	3 6	Ni and Nci; mist and dew.	Ci, Ni, and Nci; lightning and dew.
2·0	·208	·873	,,	calm & NE	variable.	0·7	0 0	0·7	Sp.	5·5	Lci, Ni, and Nci, motion W; misty.	[rain. Ci, Ni, Nci and Lci; lt, th., rain-bow, and [thunder.
2·0	·182	·869	0·25	calm	W & NW	1·0	0·0	1·0	,,	7·1	Lci, Nci, and Ni, motion W; lightning and	Ci, Ni, Nci, Lci and Lci; lt., th., and rain.
2·3	·213	·904	0·15	E	WNW & calm	0·8	0·0	0·8	mod.	5·0	Lci, Ni, and Nci, motion W; lightning.	Ci, Ni, Nci, and Lci; lt., th., dew, and rain.
2·1	·190	·851	0·08	calm & NE	variable.	1·5	0·0	1·5	S	6·5	Ni, Nci, and Lci, motion W; lightning, dew, and	[mist. Ci, Ni, Nci, and Lci; lt., thunder, and rain.
1·4	·130	·884	0·62	calm	,,	0·4	0·0	0·4	Sp.	6·8	Ni, Nci, and Lci; lightning, mist, and dew.	,, ,, ,, ,,
1·0	·094	·886	0·01	,,	NW	0·1	0·0	0·1	weak	7·2	Lci and Nci; lightning and rain.	Ni, Nci, and Lci; lightning and dew.
2·0	·168	·891	0·00	calm & NE	calm	0·1	0·0	0·1	none	5·8	Ni and Nci; dew.	Lci and Ni; lunar-halo and dew.
0·7	·171	·820	,,	calm	NW	0·5	0·0	0·5	,,	5 0	Ni and Nci; dew and mist.	Ni and Nci; dew.
2·1	·198	·808	,,	,,	W	0·4	0·0	0·4	weak	3·0	,, ,, ,,	Cci, Nci, Ni, and lightning.
2·1	·201	·839	,,	ENE	W & NW	2·5	0·0	2·5	none	3·5	Ni and Nci; lightning and mist.	Ni, Nci, and Cci; lunar-halo.
1·8	·173	·799	,,	calm & NE	variable.	0·4	0 0	0·4	,,	3·8	Ni and Nci; lightning, dew, and mist.	Cci, and Ni; lightning and lunar-halo.
1·8	·186	·799	,,	SE	W	0·6	0·0	0·6	,,	4·4	Ni and Nci; lightning and mist.	Cci and Ni; lightning.
1·8	·173	·841	,,	SE	W	0·6	0·0	0·6	weak	3·4	Lci, motion NE; Nci.	Lci and Ni; dew.
2·3	·212	·935	,,	NE	WNW	0·6	0·0	0·6	none	1·9	Ni, Nci, dew, and mist; motion NE.	Ni, Nci, and Lci.
2·6	·249	29·013	,,	calm & NE	NW	1·0	0·0	1·0	weak		A few Ni and Nci.	A few Nci.

TABLE VI.—*Showing, in the Months of November and December, the Mean Daily Value of*

	Days of the Month.	Phases of the Moon.	Barometer No. 58 corrected to 32° Fahrenheit.			Reading of Air Thermometers.									Ground Thermometers.				Mean daily Value of Hygrome-			
						Thermometer in External and Air.			Wet Bulb Thermometer.			Difference between Wet Bulb Temperature and the Air Temperature.										
			Greatest.	Least.	Daily Range.	Greatest.	Least.	Daily Range.	Greatest.	Least.	Daily Range.	Greatest.	Least.	Mean daily Value.	Under the Surface of the Ground 1 inch.	Thermometer whose Bulb is 9 inches below the surface of ground.	Thermometer whose Bulb is 30 inches below the surface of ground.	Thermometer whose Bulb is 60 inches below the surface of ground.	Dew-point.	Pressure of Moisture.	Humidity of Air. Saturation = 1·00.	Weight in Grains of a Cubic Foot of Air.	Weight in Grains of Vapour in a Cubic Foot of Air.
			in.	in.	in.	°	°	°	°	°	°	°	°	°	°	°	°	°	°	in.		grs.	grs.
NOVEMBER 1860.	1	Gtst. N. Dec.	29·909	29·771	0·138	88·0	77·0	11·0	77·0	72·5	4·5	12·0	2·0	6·4	81·1	83·7	84·9	85·0	72·6	0·790	0.75	499	8·7
	2		·888	·767	·121	89·0	76·3	12·7	78·6	69·4	9·2	13·0	2·0	7·0	81·0	83·6	84·9	85·0	71·5	·763	·73	498	8·3
	3		·905	·773	·132	90·2	76·0	14·2	77·0	68·0	9·0	15·2	4·0	8·4	80·9	83·1	84·7	84·9	69·5	·715	·68	499	7·8
	4																						
	5		·991	·867	·124	91·4	75·3	16·1	78·0	70·0	8·0	13·4	3·3	7·9	80·8	82·8	84·7	85·0	70·2	·732	·70	500	7·8
	6	☾	·974	·866	·108	91·0	75·5	15·5	75·1	67·0	8·1	21·0	5·0	10·1	80·5	82·7	84·6	84·9	66·5	·648	·62	501	7·1
	7		30·002	·871	·131	88·6	72·0	16·6	70·0	64·0	6·0	20·6	6·9	11·8	78·8	82·0	84·5	84·9	60·9	·540	·56	504	5·9
	8	Eq.	·026	·904	·122	86·3	71·4	14·9	70·0	64·0	6·0	20·0	6·5	11·2	77·4	81·2	84·3	84·9	60·2	·527	·57	507	5·7
	9		·031	·900	·131	87·0	71·0	16·0	71·0	63·8	7·2	23·2	3·2	9·7	77·6	80·9	84·1	84·8	63·1	·581	·63	507	6·3
	10		·031	·913	·118	86·2	70·8	15·4	73·2	65·0	8·2	15·5	4·0	8·2	76·9	80·6	83·9	84·8	64·9	·616	·67	508	6·8
	11	Perigee.																					
	12																						
	13	●	·030	·899	·131	87·6	70·6	17·0	74·0	66·6	7·4	16·2	4·0	7·5	77·3	80·2	83·3	84·6	66·6	·650	·70	507	7·1
	14	Gtst. S. Dec.	·019	·875	·144	89·4	70·8	18·6	75·0	66·0	9·0	21·2	3·0	8·0	77·4	80·2	83·1	84·5	65·9	·636	·68	507	6·9
	15		29·986	·832	·153	87·0	70·2	16·8	74·0	66·5	7·5	15·0	3·5	6·7	76·8	80·0	82·9	84·1	67·2	·663	·73	507	7·2
	16		·959	·839	·120	86·3	70·4	15·9	72·8	64·5	8·3	20·3	3·4	7·9	76·5	79·8	82·7	84·3	65·2	·622	·70	507	6·8
	17		·974	·834	·140	86·3	69·8	16·5	73·0	65·0	8·0	17·0	5·0	7·5	76·0	79·4	82·5	84·3	64·9	·616	·70	508	6·8
	18																						
	19		·924	·795	·129	83·7	70·0	13·7	74·4	63·0	11·4	10·7	3·0	6·7	75·6	78·9	82·4	84·3	65·7	·632	·72	507	7·0
	20	☽	·927	·819	·108	85·6	79·6	16·0	75·0	62·0	13·0	19·6	3·7	7·7	76·5	79·0	82·2	84·3	65·3	·624	·69	506	6·8
	21	Eq.	·970	·847	·123	86·6	72·6	14·0	77·0	67·0	10·0	14·6	2·6	6·5	77·8	79·5	82·0	84·3	68·9	·701	·74	506	7·7
	22		·949	·839	·110	88·8	73·8	15·0	78·0	70·0	8·0	15·6	2·6	6·4	79·0	80·2	82·3	84·5	70·4	·736	·75	502	7·9
	23	Apogee.	·978	·866	·112	88·0	74·6	13·4	75·6	67·2	6·4	16·0	1·4	7·1	79·1	80·7	82·5	84·6	69·3	·714	·73	502	7·7
	24		30·003	·891	·112	88·2	75·1	13·1	76·5	69·0	7·5	15·5	4·6	7·4	79·0	80·7	82·5	84·6	68·6	·694	·71	505	7·7
	25		·044	·932	·112	88·0	73·0	15·0	75·8	67·0	8·8	17·0	4·2	8·3	78·7	80·7	82·5	84·6	67·2	·663	·68	505	7·1
	26																						
	27		·066	·931	·135	88·4	73·0	15·4	74·0	64·0	10·0	19·4	2·0	10·1	78·6	80·4	82·6	84·6	64·2	·601	·62	504	6·5
	28	○	·095	·958	·137	86·6	72·0	14·6	70·3	63·0	7·3	18·0	5·1	9·9	76·7	80·1	82·5	84·6	61·9	·557	·61	509	6·1
	29	Gtst. N. Dec.	·044	·921	·123	88·2	71·8	16·4	74·0	65·0	9·0	20·0	3·0	8·8	77·0	79·7	82·4	84·5	64·3	·603	·66	507	6·5
	30		·053	·904	·149	88·2	69·6	18·6	74·0	66·0	8·0	17·8	3·0	7·0	75·8	79·4	82·4	84·4	66·0	·638	·72	509	7·0
DECEMBER 1860.	1		30·034	·868	·166	87·3	68·2	19·1	73·0	66·2	6·8	16·9	2·0	6·2	75·1	79·0	82·2	84·3	66·1	·640	·75	510	7·0
	2																						
	3		29·945	·822	·123	86·6	69·2	17·4	76·0	65·0	11·0	14·0	1·8	5·5	75·5	78·7	81·1	84·1	67·8	·676	·77	508	7·4
	4		·952	·837	·115	85·6	70·4	15·2	75·0	67·0	8·0	13·5	2·2	5·8	76·3	79·0	81·1	84·1	68·1	·685	·76	507	7·4
	5	Eq. ☾	·972	·866	·106	87·2	69·4	17·8	74·2	66·4	7·8	15·8	2·2	6·3	76·0	79·0	81·1	84·1	66·3	·657	·74	508	7·0
	6		·950	·800	·150	85·5	68·0	17·5	73·4	65·0	8·4	14·9	2·0	6·7	75·5	78·8	81·0	84·1	65·9	·637	·72	507	7·0
	7		·916	·804	·112	88·9	70·7	18·2	74·0	64·5	9·5	18·9	3·4	8·1	76·7	79·0	81·0	84·0	65·0	·617	·67	506	6·8
	8		·934	·807	·127	91·0	70·1	20·9	75·2	65·6	9·6	21·0	2·9	8·0	77·4	79·3	81·0	84·0	65·9	·636	·68	505	6·9
	9	Perigee.																					
	10		·953	·858	·095	91·4	73·0	18·4	76·0	65·0	11·0	17·8	3·0	8·3	78·6	80·1	81·1	84·0	67·0	·660	·67	504	7·1
	11		·961	·864	·097	88·4	71·4	17·0	74·0	67·0	7·0	17·5	2·8	7·2	77·2	79·9	81·2	84·0	66·6	·652	·71	507	7·2
	12	Gtst. S. Dec.	·950	·848	·102	86·6	71·3	15·3	73·0	67·3	6·7	15·4	2·3	6·9	76·9	79·7	81·2	84·0	67·2	·663	·72	507	7·2
	13	●	·926	·844	·082	81·8	73·0	8·8	73·0	66·0	7·0	12·0	2·2	6·6	76·4	79·6	81·3	83·9	66·6	·651	·73	508	7·2
	14		·938	·827	·111	81·0	70·6	10·4	71·0	65·0	6·0	11·0	2·0	6·4	75·1	78·9	81·2	83·7	65·6	·630	·73	509	7·0
	15		·973	·874	·099	83·0	71·4	11·6	72·6	68·4	4·2	11·8	2·4	6·0	76·2	79·0	81·1	83·6	67·7	·674	·75	507	7·4
	16																						
	17		·984	·869	·115	85·6	72·6	13·0	76·0	68·8	7·2	12·0	2·1	5·3	78·0	80·0	81·1	83·6	70·9	·748	·78	506	8·1
	18		·963	·872	·091	85·0	73·0	12·0	75·5	71·0	4·5	10·0	2·0	4·8	77·8	80·1	81·2	83·6	71·1	·753	·80	506	8·1
	19	Eq.	·976	·880	·096	89·7	75·2	14·5	76·0	69·0	7·0	13·7	4·2	7·0	78·6	80·4	81·3	83·7	69·1	·706	·72	404	7·7
	20	☽	30·024	·913	·111	88·2	72·8	15·4	74·4	68·0	6·4	16·8	3·0	7·3	78·7	80·5	81·4	83·7	68·8	·700	·71	505	7·7
	21	Apogee.	·037	·937	·100	91·8	73·6	18·2	75·0	70·0	5·0	17·9	2·8	7·6	79·1	80·7	81·5	83·7	68·8	·701	·70	503	7·6
	22		·056	·925	·130	86·0	72·6	13·4	75·0	67·5	7·5	11·5	4·0	6·7	78·8	80·9	81·6	83·8	69·5	·715	·73	506	7·9
	23																						
	24		·058	·933	·125	88·2	71·2	17·0	73·6	68·0	5·6	18·0	3·0	7·8	77.6	80·4	81·8	83·9	66·6	·650	·69	508	7·2
	25																						
	26	Gtst. N. Dec.	·016	·899	·117	86·1	70·0	16·1	73.0	64·0	9·0	16·6	3·4	7·7	76·9	79·8	81·8	83·9	65·5	·628	·69	508	6·9
	27		·002	·885	·117	86·9	70·4	16·5	74·0	65·0	9·0	14·9	3·6	7·1	76·6	79·7	81·7	83·9	66·4	·646	·71	508	7·0
	28	○	29·975	·881	·094	85·0	70·6	14·4	73·6	64·6	9·0	12·5	3·6	7·2	76·8	79·7	81·6	83·9	66·2	·642	·71	507	7·0
	29		·993	·895	·098	86·7	70·2	16·5	73·4	67·0	6·4	14·2	3·2	7·1	77·1	79·7	81·6	83·9	67·0	·660	·71	507	7·2
	30																						
	31		30·035	·929	·106	86·0	72·4	13·6	73·5	68·0	5·5	13·0	2·3	6·5	77·4	80·1	81·5	83·8	68·2	·686	·73	507	7·4

all the Meteorological Observations, and the Daily changes in the state of the Weather.

Weight in Grains required for complete Saturation of a Cubic Foot of Air.	Quantity of Water actually evaporated in the Air.	Pressure of supposed Dry Air.	Rain: inches by Newman's Gauge.	Wind. Direction. From Midnight to Noon.	Wind. Direction. From Noon to Midnight.	Wind. Force in Pounds on a square foot. Greatest.	Least.	Daily Range.	Atmospheric Electricity.	Extent of Cloudy Sky.	Clouds and Weather. A. M.	Clouds and Weather. P. M.
grs.	in.	in.	in.			lb.	lb.	in.				
2·9	0·263	29·044	None	calm & NE	NW	0·8	0·0	0·8	none		A few ≀i, mist, and dew.	A few ≀i, ⌒i, and dew.
3·3	·287	·059	,,	NE	,,	1·0	0·0	1·0	weak		A few ⌒i, mist, and dew.	A few ⌒i in hor.
3·8	·338	·120	,,	,,	,,	1·0	0·0	1 0	none		Mist along W hor.	Cloudless.
3·8	·318	·183	,,	NE	NW	1·5	0·1	1·4	none		Mist and dew.	Cloudless.
4·0	·399	·262	,,	,,	,,	1·2	0·0	1·2	weak		Mist along W hor.	,,
4·6	·443	·384	,,	N & NE	..	2·0	0·1	1·9	,,		,, ,, ,,	Cloudless; moderate wind at 7 P. M.
4·5	·407	·423	,,	NE	WNW	1·0	0·0	1·0	,,		Mist in the morning.	Cloudless.
3·9	·359	·372	,,	NNE	,,	0 8	0·0	0·8	,,		Mist and dew.	,,
3·1	·300	·244	,,	NNE & NE	NW	0·7	0·0	0·7	none		Mist in W hor.; dew.	,,
3·1	·284	·306	,,	N & ENE	NW	0·7	0·0	0·7	none		Mist, fog, and dew.	Cloudless.
3·3	·301	·307	,,	NE	,,	0·8	0·0	0·8	weak		,, ,,	,,
2·7	·243	·238	,,	,,	,,	1·0	0 0	1·0	Sp.		,, ,,	Dew at night.
3·1	·291	·261	,,	,,	,,	0·8	0·0	0 8	weak		,, ,,	,, ,,
2·8	·277	·275	,,	,,	,,	0·8	0·0	0·8	,,	0·5	,, ,,	
2·6	·244	·216	,,	NE	WNW	1·5	0·0	1·5	none		Mist and fog.	Cloudless.
3·1	·286	·241	,,	N & NE	NW	0·8	0·0	0·8	weak	0·9	,, ,,	⌒i, motion W.
2·5	·251	·194	,,	ENE	,,	0·6	0·0	0·6	,,	1·9	⌒i, mist, and fog.	⌒i, motion variable.
2 9	·256	·150	,,	NE	,,	0·5	0 0	0·5	,,	4·3	⌒i, mist, and fog, motion W.	⌒i, motion W.
3·1	·278	·197	,,	,,	,,	1 5	0·0	1·5	,,	6·7	⌒i, dew, and mist, motion W.	⌒i, motion N.
2·8	·289	·254	,,	NNE	,,	0·6	0·1	0 5	,,	6·7	⌒i and mist, motion N.	⌒i, motion NE.
3·4	·320	·309	,,	,,	,,	0·8	0·1	0·7	mod.	4·5	⌒i and mist.	⌒i, motion NE.
4·3	·385	·386	,,	E	E & NW	2·0	0·0	2·0	mod.	0·9	Mist and dew.	≀i and dew.
3·8	·362	·447	,,	,,	NW	1·3	0·1	1·2	,,	3·6	≀i and mist.	≀i scattered about.
3·7	·325	·368	,,	N & ENE	,,	1·2	0·1	1·1	,,	3·8	≀i, ⌒i, mist, and lunar-halo.	≀i and dews.
2·6	·258	·316	,,	NE	,,	0·7	0·1	0·6	,,	0·6	≀i, mist, and fog.	A few ≀i.
2·3	·225	·296	None	calm & NNE	NW	0·4	0·0	0·4	Sp.	0·2	≀i, mist, fog, and dew.	≀i in hor. at 2 P. M.
2·2	·203	·210	,,	NNE	WNW	0·4	0·0	0·4	mod.		Mist, fog, and dew.	Dew after 10 P. M.
2·5	·214	·203	,,	NE	NW	0·5	0·0	0·5	weak	0·4	≀i, mist, fog, and dew.	≀i and dew.
2·6	·233	·252	,,	,,	,,	0·7	0·0	0·7	mod.		,, ,, ,,	Dew after 10 P. M.
2·6	·245	·239	,,	calm NE	,,	0·6	0·0	0·6	Sp.		Mist, fog, and dew.	Cloudless.
3·1	·302	·240	,,	N	,,	0·6	0 0	0·6	mod.		,, ,,	Dew at night.
3·3	·304	·228	,,	NE	,,	0·8	0·0	0·8	,,		,, ,,	Dew after 10 P. M.
3·4	·316	·237	,,	,,	NNW	0·8	0·0	0·8	weak	0·1	≀i, mist, fog, and dew.	Dew after 11 P. M.
2·7	·273	·257	,,	ENE	NW	0·6	0·0	0·6	,,	0·5	A few ≀i; mist and dew.	≀i around hor.
2·7	·259	·230	,,	NNE	WNW	0·2	0·0	0·2	,,	0·2	≀i, mist, fog, and dew.	≀i at sunset; dew.
2·4	·245	·229	,,	calm	NW	1·5	0·0	1·5	,,	3·5	≀i and ⌒i, motion SE.	⌒i, motion E; lightning in NW.
2·3	·232	·253	,,	,,	,,	0·8	0·0	0·8	,,	2·6	⌒i, motion NE.	≀i and ⌒i.
2·5	·225	·244	,,	calm & NE	,,	0·8	0·0	0·8	,,	2·1	≀i, ⌒i, dew, mist, and fog.	,, ,,
2·1	·204	·173	,,	calm	W & calm	0·3	0 0	0 3	weak	1·4	≀i, ⌒i, mist, fog, and dew.	A few ⌒i; dew.
2·1	·187	·157	,,	calm & E	WNW & N	1 0	0·0	1·0	,,	4·9	⌒i, mist, fog, and dew.	⌒i, lightning, and moderate wind.
2·8	·273	·211	,,	NE	NW & N	1·5	0·0	1·5	none	4·0	⌒i, motion NE.	⌒i, ⌒i, and lightning.
2·8	·286	·258	,,	calm & N	W	0·5	0·0	0·5	weak	0·3	Pieces of ⌒i, mist, fog, and dew.	Pieces of ⌒i and dew.
3·2	·300	·277	,,	calm	W & calm	0·3	0 0	0·3	none	1·1	Mist, fog, and dew.	⌒i, motion W.
2·6	·261	·268	,,	,,	NW	0·6	0·0	0 6	mod.	0·9	⌒i, mist, and fog.	Pieces of ⌒i in E.
3·0	·296	·335	,,	calm	NW	1·2	0·0	1·2	weak		Mist, fog, and dew.	Cloudless.
3·0	·288	·324	,,	calm & NNE	NW	0·5	0 0	0·5	weak		Mist and fog.	Cloudless.
2·9	·264	·291	,,	calm	,,	0 3	0.0	0·3	mod.	0·3	Mist, fog, and dew.	Light ≀i.
2·9	·268	·279	,,	NNE	,,	0·5	0·0	0·5	weak	3·8	≀i, mist, and fog.	Light ≀i and ⌒i.
3·0	·268	·277	,,	NE	W	0·4	0·0	0·4	mod.	4·9	≀i and ⌒i, motion landward.	≀i and ⌒i, motion E.
2·8	·248	·219	,,	,,	WNW	0·4	0·0	0·4	none	4·5	≀i and ⌒i, motion ENE.	⌒i, ≀i, and ⌒i, motion ENE.

TABLE VII.—*Mean Daily Height of Standard Barometer, corrected for Temperature for each day of Bombay Civil Time.*

Date, 1860.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
1		29.912	29.842		29.782	29.747			29.762	29.787	29.834	29.936
2		.900	.846	29·833	.717	.763	29.540	29.676		.799	.822	
3	29.912	.911	.809	·841	.722		.530	.632	.692	.804	.835	.886
4	.920	.914		.837	.766	.711	.546	.651	.672	.848		.888
5	.945		.838	·842	.776	.692	.599		.646	.870	.915	.909
6	.948	.899	.868			.670	.640	.667	.630	.892	.910	.876
7	.920	.909		.815	.816	.638	.663	.641	.654		.924	.857
8		.905	.798		.817	.603		.618	.656	.903	.950	.864
9	.943	.872	.812	.743	.809	.571	.708	.681		.871	.953	
10	.923	.877	.855	·736	·811		.695	.769	.788	.792	.960	.897
11	.911	.866		.784	.806	.525	.683	.736	.813	.750		.909
12	.937		.877	.839	.792	.496	.665	.696	.797	.771		.893
13	.982	.828	.868	.850		.538	.673		.782	.804	.956	.880
14	.995	.805	.874	.876	.769	.568	.652	.685	.768		.943	.883
15		.860	.842		.812	.619		.713	.736	.780	.901	·918
16	.969	·910	.848	.870	.811	.613	.604	.712		.774	.883	
17	.972	.957	.867	.857	.801		.610	.671	.709	.768	.891	.921
18	.929	.904		.868	.796	.647	.641	.661	.700	.793		.910
19	.943		.859	·854	.796	.673	.650		.729	.817	.848	.917
20	.958		.891	·852		.686	.645	.810	.779	.826	·865	.958
21	.974	.817	.859	.875	.740	.650	.635	.795	.816		.895	.978
22		.803	.792		.720	.640		.745	.817	.808	.886	.983
23	30.012	.822	.805	.821	.715	.681	·625	.759		.778	.911	
24	29.987	.863	.866	.830			.632	.778	.809	.774	.948	.985
25	.981	.888		.841	.740	.727	.610	.804	.796	.802	.972	
26	.979	.841	·860	.816	.703	.680	.615	.824	.748	·790		.952
27	.946		.838	.794	.693	.691	.630		.695	.784	.987	.937
28	.948	.884	.852	.800		.719	.641	.825	.677		30.006	.921
29		.862	.854		.713	.795		.786	.701	.800	29.971	.937
30	.960		.842	.790	.700	.648	.639	·759		.827	.964	
31	.931		.816		·734		.654	.765		.833		.975

TABLE VIII.—*Showing, for each Month, the Mean Height of Standard Barometer; and its Periodic changes from the Mean of the Year.*

Months, 1860.	Mean Height of Barometer.	Difference from the Mean of the Year.	FOR SEASONS.	
	in.	in.		in.
January	29·953	0·149	Mean of { Jan., Feb., March, / Oct., Nov., Dec. } or Winter ..	29·886
February.....	·875	·071		
March	·845	·041		
April	·827	·023	Mean of { April, May, June, / July, Aug., Sept. } or Summer ..	29·722
May	·764	− ·040		
June.....	·650	− ·154		
July	·631	− ·173	Mean of the year	29·804
August.....	·725	− ·079		
September	·735	− ·069	Greatest Monthly Mean in January.....	29·953
October	·809	·005	Least Monthly Mean in July	29·631
November	.918	·114		
December.....	·919	·115	Difference.....	0·322

TABLE IX.—*Mean Height of Standard Barometer No. 58, corrected for Temperature and the Expansion of Mercury and Brass, in each Month, for each hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1860.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Midnight.	29.956	29.886	29.849	29.830	29.769	29.658	29.634	29.734	29.738	29.808	29.917	29.918
1 A. M.	.943	.872	.837	.818	·752	.640	.618	.713	.730	.793	.907	.917
2 „	.931	.859	.824	.804	.739	.632	.605	.700	.717	.784	.892	.911
3 „	.923	.851	.817	.797	.738	.627	·598	.694	·711	·781	.888	.903
4 „	.924	.849	.818	.802	·742	.631	·596	·695	·715	.783	.892	.904
5 „	.933	.856	.830	.819	.750	.635	·607	.702	·725	·802	.902	.905
6 „	·952	.873	.848	.838	.772	·651	.627	·716	·737	.824	.923	.920
7 „	·978	.897	.873	.862	.795	.666	.640	·734	·754	.845	.952	.943
7 „	30.001	.918	.895	·876	.810	.679	·656	.749	·771	.861	.970	.967
9 „	.020	.942	.909	·887	.820	·687	·662	·764	·779	.867	.991	.980
10 „	.023	.945	.910	.884	.816	.688	.665	·770	·778	.864	.984	.976
11 „	.006	.926	.891	.874	.809	.680	.661	.766	.767	.842	.964	.954
Noon.	29.973	·899	.868	.851	·794	.669	.654	.756	.746	.816	.935	.921
1 P. M.	.939	.857	.845	·823	.766	.657	·637	.730	·731	.788	.903	.905
2 „	.913	·838	.818	.798	.743	.638	.624	.713	.710	·764	.877	.886
3 „	.902	·823	.800	.782	.725	.622	.608	.699	.697	.752	.867	.875
4 „	.904	.821	.795	.770	·713	·610	.597	.691	.694	.755	.868	.873
5 „	.912	.826	·795	.779	.718	.607	.605	·690	.697	.772	.873	.862
6 „	.925	.840	.807	.793	.724	·621	.615	.694	.711	.788	.888	.886
7 „	.947	.859	.825	.809	.740	·637	.629	.714	.725	·809	.907	.908
8 „	.960	·881	·845	.825	.756	652	.642	.728	.745	·828	.923	.926
9 „	.973	.896	.860	.840	.776	.665	.652	·745	.756	.833	.934	.935
10 „	.974	.899	.864	·849	.783	.669	.660	·750	.756	.831	.937	.937
11 „	.965	.891	.858	.842	·778	.667	.652	.743	·746	.824	.928	.929

TABLE X.—*Showing the Excess of the Mean Hourly Height of Barometer No. 58, above the Monthly Mean, corrected for Temperature.*

Bombay Civil Time.	MONTHS, 1860.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Midnight.	0.003	0.011	0.004	0.002	0.005	0.008	0.003	0.009	0·003	-0.001	0.000	-0.001
1 A. M.	- ·010	- .003	- ·008	- .010	- .012	- .010	- ·013	- .012	- ·005	- .016	- ·010	- .002
2 „	- .022	- .016	- ·021	- .024	- .025	- ·018	- .026	- .025	- ·018	- .025	- .025	- .008
3 „	- .030	- .024	- ·028	- .031	- ·026	- ·023	- .033	- .031	- .024	- .028	- .029	- .018
4 „	- .029	- ·026	- .027	- .026	- ·022	- .019	- .035	- .030	- .020	- ·026	- .025	- .015
5 „	- .020	- .019	- .015	- .009	- ·014	- .015	- .024	- .023	- .010	- .007	- .015	- ·014
6 „	- .001	- .002	·003	.010	·008	.001	- .004	- .009	·002	.015	.006	.001
7 „	.025	.022	.028	.034	.031	.016	·009	.009	.019	.036	.035	.024
8 „	.048	.043	.050	.048	·046	.029	.025	.024	.036	.052	.053	.048
9 „	.067	.067	.054	.059	·056	·037	.031	.039	.044	.058	.074	.061
10 „	·070	.070	·055	.056	·052	.038	.034	.045	.043	.055	.067	.057
11 „	·053	.051	.046	.045	·045	·030	·030	.041	.032	.033	.047	.035
Noon.	·020	.024	.023	.023	·030	·019	.023	·031	·011	.007	.018	.002
1 P. M.	- .014	- .016	.000	.005	.002	.007	.006	.005	- .004	- .021	- .014	- .014
2 „	- .040	- .037	- .027	- .030	- ·021	- .012	- .007	- .012	- .025	- .045	- .040	- .033
3 „	- .051	- .052	- .045	- ·046	- ·039	- .028	- ·023	- .026	- .038	- .057	- .050	- .044
4 „	- ·049	- .054	- .050	- ·058	- ·051	- ·040	- .034	- .034	- .041	- .054	- .049	- .046
5 „	- .041	- .049	- .050	- .049	- ·046	- ·043	- ·026	- .035	- .035	- .037	- .044	- .047
6 „	- .028	- .035	- .038	- ·035	- ·040	- .029	- ·016	- ·031	- .024	- .021	- .029	- .033
7 „	- .006	- .016	- .020	- ·019	- ·024	- .013	- .002	- .011	- .010	.000	- .010	- .011
8 „	.013	.006	.000	- .003	- ·008	.002	. .011	.003	.010	.019	.006	.007
9 „	.020	.021	.015	.012	·012	.015	·021	.020	.021	.024	.017	.016
10 „	.021	.024	·019	·021	·019	.019	.029	·025	.021	.022	.020	.018
11 „	.012	·016	·013	.014	·014	.017	·021	.018	.011	.015	.011	.010

TABLE XI.— *Showing for the Year* 1860, *the Mean Height of Standard Barometer for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean of the Year.*

Bombay Civil Time.	Mean Height of Barometer.	Difference from the Mean of the Whole.
	in.	in.
Midnight.	29·808	0·004
1 A. M.	·795	– ·009
2 „	.783	– ·021
3 „	.777	– ·027
4 „	.779	– ·025
5 „	·789	– ·015
6 „	·807	·003
7 „	·828	·024
8 „	·846	·042
9 „	·859	·055
10 „	·859	·055
11 „	·845	·041
Noon.	·832	·028
1 P. M.	·799	– ·005
2 „	·777	– ·027
3 „	·763	– ·041
4 „	.758	– ·046
5 „	·761	– ·043
6 „	·774	– ·030
7 „	·792	– ·012
8 „	·809	·005
9 „	·822	·018
10 „	·826	·022
11 „	·819	·015

FOR DAY AND NIGHT.

Mean of { 6, 7, 8, 9, 10, 11 P. M. / Midnt. 1, 2, 3, 4, 5 A. M. } or Night.. 29.798

Mean of { 6, 7, 8, 9, 10, 11 A. M. / Noon. 1, 2, 3, 4, 5 P. M. } or Day .... 29·811

Mean of the Year..... 29·840

TIMES OF MEAN MAXIMUM AND MINIMUM.

A minimum at 3 A. M.
A maximum at 10 „
A minimum at 4 P. M.
A maximum at 10 „

TABLE XII.—*Showing, for the Year* 1860, *the Hours of Bombay Civil Time, at which the Mean Height of Standard Barometer, corrected for Temperature, in each Month, was at its Maximum and Minimum.*

Months, 1860.	The Mean Hourly Height of Barometer.				Mean Diurnal Range.	The Time at which the Mean Hourly Height of Barometer corrected was at its			
	Morning.		Evening.			Morning.		Evening.	
	Minimum.	Maximum.	Minimum.	Maximum.		Minimum.	Maximum.	Minimum.	Maximum.
	in.	in.	in.	in.	in.	H.	H.	H.	H.
January.....	29·923	30·023	29·902	29·974	0·121	3 A. M.	10 A. M.	3 P. M.	10 P. M.
February	·849	29·945	·821	·899	·124	4 „	10 „	4 „	10 „
March	·817	·910	·795	·864	·115	3 „	10 „	4 „	10 „
April.....	·797	·887	·770	·849	·117	3 „	9 „	4 „	10 „
May	·738	·820	·713	·783	·107	3 „	9 „	4 „	10 „
June	·627	·688	·607	·669	·081	3 „	10 „	5 „	10 „
July	·596	·665	·597	·660	·069	4 „	10 „	4 „	10 „
August	·694	·770	·690	·750	·080	3 „	10 „	5 „	10 „
September.....	·711	·779	·694	·756	·085	3 „	9 „	4 „	10 „
October	·781	·867	·752	·833	·115	3 „	9 „	3 „	9 „
November	·888	·991	·867	·937	·124	3 „	9 „	3 „	10 „
December	·903	·980	·862	·937	·118	3 „	9 „	5 „	10 „

TABLE XIII.—*Showing the Greatest and Least Height of Standard Barometer, corrected for Temperature, in Simple Hourly Observations, in each Month during the year* 1860.

Months, 1860.	Greatest Height of Barometer.				Least Height of Barometer.			
	Day and Hour.	Greatest Height of Barometer.	Normal Mean.	Difference.	Day and Hour.	Least Height of Barometer.	Normal Mean.	Difference.
	D. H.	in.	in.	in.	D. H.	in.	in.	in.
January	23 9 A. M.	30·082	30·000	0·082	3 3 P. M.	29 860	29·894	–0·034
February	17 9 „	·028	29·940	·088	22 4 „	·747	·815	– ·068
March	20 10 „	29·971	·906	·065	3 4 „	·726	·805	– ·079
April	21 9 „	·939	·878	·061	9 4 „	·659	·775	– ·116
May	7 10 „	·881	·833	·048	2 5 „	·629	·744	– ·115
June	2 10 „	·811	·743	·068	12 6 „	·452	·631	– ·179
July	9 8 „	·744	·660	·084	3 4 A. M.	·491	·610	– ·119
August	26 10 „	·889	·773	·116	7 5 P. M.	·584	·667	– ·083
September	11 10 „	·865	·777	·088	5 4 „	·595	·693	– ·098
October	6 9 „	·954	·801	·153	11 3 „	·677	·745	– ·068
November	28 9 „	30·095	·987	·108	2 4 „	·767	·819	– ·052
December	24 10 „	·058	·974	·084	6 4 „	·800	·872	– ·072

TABLE XIV.—*Mean Daily Temperature of External and Free Air; for each day of Bombay Civil Time.*

Date, 1860.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1		70°5	79°0		84°6	87°4			82°9	83°8	81°6	75°4
2		71.2	78.9	81°5	85.6	88.1	79°5	79°6		83.8	81.5	●
3	70°6	72·5	77.9	80·8	85·0		79.8	79.6	81.3	83.2	81.6	75.9
4	72.4	73·3		80.8	84.0	86.7	81.7	80.9	77.6	79.9		76·6
5	71.8		76.0	80.1	83.7	87.2	82.0		78.6	80.9	81.5	76.3
6	70.9	74.7	77.2			86.9	79.2	80.0	78.3	81.5	81·3	76.0
7	70.4	74·6		80.1	84.0	86.9	80.6	80.6	79.4		79.3	77.3
8		74.9	77.4		84.1	86.0		79.1	80.8•	82.9	77.8	77.9
9	72.2	75.0	77.2	80.8	84.3	85.4	78.0	79.6		83.3	78.0	
10	72.5	75.3	77.5	81.9	84.8		80·0	80.9	81.6	83.5	77.2	79.2
11	76.0	76.9		82.0	84.7 ●	81.7	82.0	80.5	80.1	84.9		77.4
12	75.9		78.2	81.5	84.8	81.8	83.3	80.5	81.6	84.3		77.4
13	73.8	78.4	77.1	81.2		79.0	84.1		81.9	84.3	77.7	76.5
14	72.1	76.9	77.7	81.3	85.6	79.7	83·3	80.9	81.3		77.9	75.3
15		76.0	78·7		85.0	84.2		80.0	82.4	• 83.4	• 77.2	76.6
16	71.5	76.1	78.4	82.6	85.0	84.6	80.2	80.6		82.6	77.1	
17	73.4	75.6	76.9	81.9	85.5		81.4	78·5	82.8	82.3	76.4	78.4
18	73.5	77.1		81.9	85.5	85.5	81.1	79·0	82.0	83.9		78.0
19	73.6		77·8	81.0	84.9	85.8	78.6		82·4	81.9	75.8	79.3
20	73·1		77.4	82.0		82.4	77.9	81.4	81.9	81.0	77.0	79.5
21	72.7	78·4	79·1	81.6	84.4	81 1	80.5	81.8	81.7		78.4	80.0
22		78.4	80.6		83.7	80·3		81.8	82.0	82.5	79.6	79.2
23	70.6	76.3	80.5	81·6	84.3	82.1	81.1	81.0		83.7	79.7	
24	68.3	76.1	81.2	82.3			81·4	81.5	81.7	84.8	79.4	78.2
25	72.5	75.1		81.7	85.3	84·6	81.6	82.5	81.8	84.8	79.4	
26	73.1	76.0	82.1	82.0	86.3	85.4	82.0	82.9	81.4	84·8		77.2
27	73.3		84.0	82.8	86.3	84·0	81.8		81.2	85·0	79.5	77.0
28	72.4	75.9	82.9	82.0		84.5	81·8	82.7	82.7		77.2	77.0
29		77.2	81·3		86·2	80·6		81.8	80.6	83.8	77.6	77.6
30	71.0		81·1	82.9	86.5	79.7	81.3	81.8		83.1	76.4	
31	70.5		82.4		87.5		81.9	82.6		82.1		77.8

TABLE XV.—*Showing for each Month, the Mean Temperature of External and Free Air, and its Periodic Changes from the Mean of the Year.*

Months, 1860.	Mean Temperature of Air.	Difference from the Mean of the Year.	FOR SEASONS.
January	72°3	− 7°7	Mean of { Jan., Feb., March, / Oct., Nov., Dec. } or Winter .... 77°7
February	75·5	− 4·5	
March	79·2	− 0·8	
April	81·6	1·6	Mean of { April, May, June, / July, Aug., Sept. } or Summer..... 82·3
May	85·0	5·0	
June.....	83·9	3·9	
July	81·0	1·0	Mean of the Year ..... 80·0
August.....	80·8	0·8	
September	81·2	1·2	Greatest Monthly Mean in May ..... 85·0
October	83·2	3·2	Least Monthly Mean in January ..... 72·3
November	78·7	− 1·3	
December	77·5	− 2·5	Difference .... 12·7

TABLE XVI.—*Mean Temperature of External and Free Air, in each Month, for each hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1860.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	68°9	72°6	76°5	79°0	82°3	81°9	79°9	79°2	79.3	80°5	74°9	74°0
1 A. M.	68.5	72.4	76.0	78.8	82.0	81.5	79.7	79.1	79.3	80.4	74.3	73.7
2 „	68·0	72.0	75.5	78.4	81.7	81.5	79.7	79.0	79.3	80.3	74.1	73.3
3 „	67.6	71.7	74.9	78.0	81.4	81.4	79.6	78.9	79.1	80.1	73.7	72.9
4 „	67.0	71.2	74.5	77·6	81.1	81.1	79.5	78.8	78.9	79.9	73.3	72.5
5 „	66.6	70.6	73.9	77.1	80.9	80.9	79.6	78.7	78·7	79.6	73.0	71.8
6 „	66.1	70.3	73.5	77.0	81.1	81.0	79.5	78.6	78.6	79.5	72.7	71·6
7 „	66.1	70.4	75.1	79.2	83.7	82.0	79.8	79.2	79.5	80.6	73.7	72.3
8 „	67.2	73.5	77.9	81.5	85.2	83.4	80·8	79.8	80,7	82.2	75·8	74.8
9 „	71.8	75.9	83.3	83.6	86.6	84.8	81.6	81.3	82.0	83.6	78.4	96.9
10 „	73.6	78.0	82.0	84.6	87.8	86.3	82.3	82.3	82.9	84.9	80.6	79.2
11 „	76.0	79.3	83.3	85.5	88.8	86.9	82.8	83.2	83.6	86.3	83.1	81.3
Noon.	78.1	80.5	84.0	86.2	89.5	87.3	83.2	83.9	84.3	87.5	85.6	83.9
1 P. M.	79.5	81.5	84·8	86.7	89.9	87.6	83.4	84.2	84.8	88.3	87.1	86.0
2 „	80.2	81·6	85.2	86.6	90.2	87.5	83.1	84.3	85.3	88.8	87·2	86.3
3 „	79.9	81.3	85.1	86.4	89.9	87.3	82.9	74.0	85.0	88.6	86.5	85.3
4 „	79.2	80.6	84.5	85.6	89.2	86.9	82.7	83.1	84.2	87.4	84.7	83.4
5 „	76.7	79.2	82.7	83.7	87.5	85.8	82.1	82.2	82.7	85.7	82.0	80.5
6 „	74.4	76.8	80.4	82.0	85.6	84.4	81.2	81.0	81.3	83·5	80.3	78.8
7 „	73.4	75.9	79.2	81.0	84.2	83.4	80.5	80.4	80.7	82.6	80.0	78·0
8 „	72.7	75.4	78.5	80.6	83.6	82.9	80.3	79.9	80.1	82.4	78.8	77.3
9 „	71.8	74.7	78.0	80.1	83.3	82.8	80.3	79.7	80.0	81.8	77.4	76.4
10 „	70.6	74.0	77.4	79.7	83.0	82.7	80.2	79.7	79.5	81.3	75.9	75.1
11 „	69·6	73.3	77.0	79·3	82.7	82.4	80.0	79.5	79.4	80.7	75.0	74.5

TABLE XVII.—*Excess of the Mean Hourly Temperature of External and Free Air above the Monthly Mean.*

Bombay Civil Time.	MONTHS, 1860.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	- 3°4	- 2°9	- 2°7	- 2°6	- 2°7	- 2°0	- 1°1	- 1°6	- 1°9	- 2°7	- 3°8	- 3°5
1 A. M.	- 3·8	- 3.1	- 3.2	- 2.8	- 3·1	- 2.4	- 1.3	- 1.7	- 1.9	- 2.8	- 4.3	- 3.7
2 „	- 4.3	- 3.5	- 3.6	- 3.2	- 3.3	- 2.4	- 1.3	- 1.8	- 1.9	- 2.9	- 4.6	- 4.2
3 „	- 4.7	- 3.8	- 4.3	- 3.5	- 3·6	- 2.5	- 1.4	- 1.9	- 2.1	- 3.0	- 5·0	- 4.6
4 „	- 5.3	- 4.3	- 4·7	- 4.0	- 4.0	- 2.8	- 1.4	- 2.0	- 2.3	- 3.3	- 5.3	4.9
5 „	- 5.8	- 4.9	- 5.3	- 4.4	- 4.1	- 3.0	- 1.4	- 2.1	- 2·5	- 3.6	- 5.6	5.7
6 „	- 6.2	- 5.3	- 5·7	- 4·6	- 3.9	- 2·9	- 1.5	- 2.2	- 2·7	- 3.7	- 5.9	5.9
7 „	- 6.2	- 5.1	- 4.0	- 2.4	- 1.4	- 1.9	- 1.2	- 1.7	- 1.7	- 2.6	- 5.0	5.2
8 „	- 3.1	- 2.0	- 1.3	- 0.1	0.2	- 0.5	- 0.2	- 1.1	- 0.5	- 1.0	- 2.8	2.7
9 „	- 0.5	0.3	1.2	2.0	1.6	0.9	0.6	0.4	0.7	0.4	- 0.3	- 0.6
10 „	1·3	2.5	2.8	3.0	2.7	2.4	1.3	1.4	1.7	1.7	1.9	1.7
11 „	3.7	3.8	4.1	3.9	3.7	3.0	1.8	2.3	2.4	3.1	4.5	3.8
Noon.	5.8	4.9	4.8	4.6	4.4	3.3	2.2	3.0	3.1	4.3	6·9	6.4
1 P. M.	7.2	6.0	5.6	5.1	4.9	3.7	2·4	3.4	3.6	5.1	8.4	8.5
2 „	7.8	6.1	6.0	5.0	5·1	3.6	2.1	3.5	4.1	5.6	8·6	8.8
3 „	7.6	5.8	5.9	4·8	4.9	3·4	1·8	3.1	3·8	5.4	7.8	7.9
4 „	6.9	5.1	5.3	4.0	4·1	3.0	1.6	2.3	3.0	4.2	6.1	5.9
5 „	4.4	3.7	3.5	2.1	2.5	1·9	1.1	1.4	1.5	2.5	3.3	3.0
6 „	2.1	1.3	1.3	0·4	0.6	0.5	0.1	0.1	0.1	0.3	1.7	1.3
7 „	1.1	0·4	0.0	- 0.6	- 0.9	- 0.5	- 0·5	- 0.5	- 0.7	- 0.5	1.3	0.5
8 „	0.4	- 0·1	- 0.7	- 1.0	- 1.4	- 1.0	- 0.7	- 0.9	- 1.1	- 0.8	0.2	- 0.1
9 „	- 0.5	- 0.8	- 1.2	- 1.5	- 1.7	- 1.1	- 0.8	- 1.2	- 1.3	- 1.4	- 1.3	- 1.1
10 „	- 1.7	- 1.5	- 1.8	- 1.9	- 2.1	- 1.2	- 0.8	- 1.1	- 1.7	- 1.9	- 2.8	- 2.4
11 „	- 2.7	- 2.2	- 2.2	- 2.3	- 2.4	- 1.5	- 1.0	- 1.3	- 1.8	- 2.5	- 3.6	- 2.9

TABLE XVIII.—*Showing, for the Year* 1860, *the Mean Temperature of External and Free Air, for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean of the Year.*

Bombay Civil Time.	Mean Temperature of External and Free Air.	Difference from the Mean of the Whole.	FOR DAY AND NIGHT.
Midnight.	77°4	- 2°6	
1 A. M.	77·1	- 2·9	
2 „	76·9	- 3·1	
3 „	76·6	- 3·4	
4 „	76·3	- 3·7	Mean of { 6, 7, 8, 9, 10, 11 P. M. / Mid. 1, 2, 3, 4, 5 A. M. } or Night .... 78°0
5 „	76·0	- 4·0	
6 „	75·8	- 4·2	
7 „	76·8	- 3·2	
8 „	78·7	- 1·3	Mean of { 6, 7, 8, 9, 10, 11 A. M. / Noon, 1, 2, 3, 4, 5 P. M. } or Day ..... 82·0
9 „	80·6	0·6	
10 „	82·0	2·0	Mean Annual ..... 80·0
11 „	83·3	3·3	
Noon.	84·5	4·5	
1 P. M.	85·3	5·3	
2 „	85·5	5·5	
3 „	85·2	5·2	TIMES OF MEAN MAXIMUM AND MINIMUM.
4 „	84·3	4·3	
5 „	82·6	2·6	A minimum at 6 A. M.
6 „	80·8	0·8	A maximum at 2 P. M.
7 „	79·9	- 0·1	
8 „	79·4	- 0·6	
9 „	78·9	- 1·1	
10 „	78·3	- 1·7	
11 „	77·8	- 2·2	

TABLE XIX.—*Showing, for the Year* 1860, *the Hours of Bombay Civil Time at which the Mean Temperature of External and Free Air, in each Month, was at its Maximum and Minimum.*

Months, 1860.	The Mean Hourly Temperature of External and Free Air.		Mean Diurnal Range.	The Time at which the Mean Hourly Temperature of Free Air was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
				H.	H.
January	80°2	66°1	14°1	2 P. M.	6 A. M.
February	81·6	70·3	11·3	2 ,,	6 ,,
March	85·2	73·5	11·7	2 ,,	6 ,,
April	86·7	77·0	9·7	1 ,,	6 ,,
May	90·2	80·9	9·3	2 ,,	5 ,,
June	87·6	80·9	6·7	1 ,,	5 ,,
July	83·4	79·5	3·9	1 ,,	6 ,,
August	84·3	78·6	5·7	2 ,,	6 ,,
September	85·3	78·6	6·7	2 ,,	6 ,,
October	88·8	79·5	9·3	2 ,,	6 ,,
November	87·2	72·7	14·5	2 ,,	6 ,,
December	86·3	71·6	14·7	2 ,,	6 ,,

TABLE XX.—*Showing the Greatest and Least Temperature of External and Free Air in simple Hourly Observations, during the Year* 1860.

Months, 1860.	Greatest Temperature of Air.				Least Temperature of Air.			
	Day and Hour.	Greatest Temperature of Air.	Normal Mean.	Difference.	Day and Hour.	Least Temperature of Air.	Normal Mean.	Difference.
	D. H.				D. H.			
January	11 3 P. M.	88°0	80°1	7°9	24 7 A. M.	59°6	67°4	− 7°8
February	13 1 ,,	91·5	81·4	10·1	1 6 ,,	63·4	68·2	− 4·8
March	27 3 ,,	91·8	85·6	6·2	5 6 ,,	69·2	72·5	− 3·3
April	10 2 ,,	88·6	86·4	2·2	5 6 ,,	74·6	75·8	− 1·2
May	31 2 ,,	93·7	88·9	4·8	5 5 ,,	78·4	79·6	− 1·2
June	2 3 ,,	93·6	88·4	5·2	11 Mid.	74·4	81·9	− 7·5
July	13 3 ,,	88·7	83·2	5·5	19 6 A. M.	75·4	79·8	− 4·4
August	26 3 ,,	88·0	84·4	3·6	18 4 ,,	76·0	78·8	− 2·8
September	1 2 ,,	89·0	84·8	4·2	5 6 ,,	76·0	78·6	− 2·6
October	11 2 ,,	92·8	88·3	4·5	16 7 P. M.	74·2	80·6	− 6·4
November	5 2 ,,	91·4	87·7	3·7	20 3 A. M.	69·6	73·6	− 4·0
December	21 2 ,,	91·8	85·6	6·2	6 6 ,,	68·0	71·9	− 3·9

TABLE XXI.—*Mean Temperature of Air confined within the Observatory, as obtained from the Thermometer of Large Horizontal Force Magnetometer, for each Day of Bombay Civil Time.*

Date, 1860.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1		73°8	80°0		85°7	89°2			84°4	85°4	84°8	79°6
2		74.3	80.4	83°3	86.5	89.6	82°1	81°8		85.5	84.6	
3	74°3	75.4	79.9	82.9	86.2		82.0	81.4	85.6	85.4	84.3	79.9
4	75.9	75.9		83.1	85.2	88.5	83.2	82.1	81.9	83.0		80.1
5	76.1		78.7	82.7	85.2	88.6	83.7		80.9	83.2	84.3	80.0
6	76.2	76.9	79.5			88.4	82.0	81.6	80.5	83.5	84.2	79·7
7	74.5	77.3		81.8	85.6	88.5	82.5	82.0	80.9		82.4	80·3
8		77.5	79.8		85·7	88.1		80.9	81.9	84.8	81.4	80·6
9	75.2	77·8	80.0	82·9	86.1	87.3	80.3	80.9		85.4	81.7	
10	75.4	78.2	79.9	83.8	86·2		81.5	82.5	82.6	85.7	81.2	81·8
11	77.1	78.9		83.9	86.3	84·6	82.8	82.1	82.0	86.4		81.0
12	78·3		80.4	83.2	86.2	84·7	83.9	82.1	82.7	86.9		81·1
13	77.7	80.6	79.5	82.9		82.2	84 7		83·1	87.2	81.3	79.7
14	76.4	80·5	79.4	82.5	86·4	81.8	84·4	81.6	82.7		81.3	78.8
15		79.7	80·4		86.2	84.9		81.8	83.5	86.6	80.8	79.5
16	75.0	79.2	80·1	83.8	86.2	85·4	82.7	82.3		85·9	80.9	
17	75.6	78.7	79.6	83.2	86.8		82.9	81·7	83.8	85.1	80.3	81.6
18	76·9	79.1		83.1	86·9	86.4	82.0	80.9	83·9	86.4		81.4
19	77.0		79.8	82 6	86.3	86.7	81.4		84.0	85.5	79.7	81.8
20	76.7		79.3	83.3		85.1	80.4	82.7	84.4	84.4	79.9	42.4
21	76.2	80.7	80·5	83.3	85.9	83.8	80.9	83.4	84.2		81·6	82.8
22		80.8	81.8		85.4	83.2		83.6	84.1	85.1	82.7	82.3
23	74.4	79.1	82.1	83.2	85.4	83.6	82.6	83·5		85.8	82.6	
24	71.1	78.7	82.8	83.6			82.9	83.2	84.3	86.7	82.3	81.4
25	74.2	78.3		83.5	86.5	85·7	83.1	84.2	84.2	87.4	82.3	
26	75.6	78.5	83 8	83.4	87.7	86.7	83.9	84.3	84.2	87·5		80.4
27	76.9		84.7	84.1	87.8	85.8	83.4		83.9	87.5	82.3	80.6
28	75.4	78.1	84.4	83.8		86.0	83.5	84.4	84.8		80·8	80.2
29		79.2	83.6		87.8	84.0		84.0	83.7	87.0	80.6	80.8
30	73.8		83.4	84.6	87.9	82.3	83.0	84.0		85.9	80.3	
31	73.8		83.6		88.8		83.4	84.4		85·0		81.2

TABLE XXII.—*Showing, for each Month, the Mean Temperature of Air confined within the Observatory, and its Periodic Changes from the Mean of the Year.*

Months, 1860.	Mean Temperature of Air within the Observatory.	Difference from the Mean of the Year.
January	75°5	− 6°8
February	78·2	− 4 1
March	81·0	− 1·3
April	83·3	1·0
May	86·4	4·1
June	85·8	3·5
July	82·7	0·4
August	82·6	0·3
September	83·3	1·0
October	85·7	3·4
November	81·9	− 0·4
December	80·8	− 1·5

FOR SEASONS.

Mean of {Jan. Feb. March, / Oct. Nov. Dec.} or Winter .... 80°5

Mean of {April, May, June, / July, Aug. Sept.} or Summer .... 84·0

Mean of the Year ..... 82·3

Greatest Monthly Mean, in May ..... 86·4

Least Monthly Mean, in January ..... 75·5

Difference ..... 10·9

TABLE XXIII.—*Mean Temperature of Air confined within the Observatory, as shown by the Thermometer of the Large Horizontal Force Magnetometer, in each Month, for each hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1860.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	74°3	77°2	80°2	83°4	85°5	85°2	82°3	81°9	82°5	84°7	80°8	79°5
1 A. M.	74.0	77.0	79.9	82.1	85.3	85.0	82.1	81.8	82.4	84.6	80.5	79.3
2 „	73.7	76.7	79.6	82.0	85.0	84.8	82.0	81.7	82.4	84.4	80.2	79.1
3 „	73.4	76.4	79.2	81.8	84.9	84.7	81.9	81.6	82.3	84.3	79.9	78.8
4 „	73.0	76.2	79.0	81.5	84.7	84.6	81.8	81.5	82.2	84.1	79.5	78.4
5 „	71.6	75.9	78.8	81.3	84.5	84.4	81.8	81.4	82.1	84.0	79.1	78.1
6 „	72.2	75.6	78.5	81.2	84.4	84.3	81.7	81.3	81.9	83.9	78.7	77.7
7 „	72.0	75.4	78.4	81.4	84.9	84.4	81.7	81.4	82.1	84.0	78.8	77.7
7 „	72.7	75.9	79.0	82.0	85.4	84.9	82.1	81.5	82.9	84.5	79.5	78.6
9 „	73.9	76.9	79.9	83.0	86.2	85.5	82.5	82.1	83.0	85.3	80.5	79.5
10 „	75.3	78.3	81.1	83.8	86.9	86.2	83.0	82.8	83.6	86.2	82.4	80.8
11 „	76.8	79.4	82.0	84.1	87.6	86.9	83.4	83.4	84.1	86.9	83.2	82.1
Noon.	78.0	80.4	82.8	85.1	88.1	87.1	83.7	83.8	84.5	87.5	84.3	83.2
1 P. M.	79.0	81.0	83.4	85.4	88.4	87.3	83.9	84.2	84.8	87.8	85.3	84.2
2 „	80.0	81.4	83.8	85.6	88.7	87.5	84.0	84.3	85.1	88.1	85.8	84.7
3 „	79.9	81.4	83.9	85.6	88.8	87.4	83.9	84.2	85.2	88.2	85.9	84.8
4 „	79.6	81.0	83.9	85.4	88.6	87.4	83.8	83.9	84.9	87.8	85.4	84.2
5 „	78.6	80.3	83.3	84.9	88.2	87.4	83.3	83.6	84.4	87.2	84.3	83.2
6 „	77.2	79.2	82.4	84.0	87.5	86.4	83.2	83.1	83.7	86.4	83.5	82.1
7 „	76.7	78.8	81.8	83.6	86.7	85.9	82.8	82.7	83.4	85.9	82.9	81.4
8 „	76.0	78.5	81.4	83.3	86.4	85.7	82.7	82.4	83.0	85.7	82.5	81.3
9 „	75.7	78.1	81.1	83.1	86.1	85.5	82.5	83.3	82.8	85.4	81.9	80.6
10 „	75.2	77.9	80.9	82.9	85.9	85.4	82.4	82.2	82.7	85.2	81.3	80.1
11 „	74.7	77.6	80.6	82.7	85.7	85.2	82.3	82.1	82.5	84.9	80.9	79.6

TABLE XXIV.—*Excess of Mean Hourly Temperature of Air, confined within the Observatory, above the Monthly Mean Temperature.*

Bombay Civil Time.	MONTHS, 1860.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	− 1°2	− 1°0	− 0°3	− 0°9	− 0°9	− 0°6	− 0°4	− 0°7	− 0°8	− 1°0	− 1°1	− 1°3
1 A. M.	− 1.5	− 1.2	− 1.1	− 1.2	− 1.1	− 0.8	− 0.6	− 0.8	− 0.9	− 2.1	− 1.4	− 1.5
2 „	− 1.8	− 1.5	− 1.4	− 1.3	− 1.4	− 1.0	− 0.7	− 0.9	− 0.9	− 1.3	− 1.7	− 1.7
3 „	− 2.1	− 1.8	− 1.8	− 1.5	− 1.5	− 1.1	− 0.8	− 1.0	− 1.0	− 1.4	− 2.0	− 2.0
4 „	− 2.5	− 2.0	− 2.0	− 1.8	− 1.7	− 1.2	− 0.9	− 1.1	− 1.1	− 1.6	− 2.4	− 2.4
5 „	− 3.1	− 2.3	− 2.2	− 2.0	− 1.9	− 1.4	− 0.9	− 1.2	− 1.2	− 1.7	− 2.8	− 2.7
6 „	− 3.3	− 2.6	− 2.5	− 2.1	− 2.0	− 1.5	− 1.0	− 1.3	− 1.4	− 1.8	− 3.2	− 3.1
7 „	− 3.5	− 2.8	− 2.6	− 1.9	− 1.5	− 1.4	− 1.0	− 1.2	− 1.2	− 1.7	− 3.1	− 3.1
8 „	− 2.8	− 2.3	− 2.0	− 1.3	− 1.0	− 0.9	− 0.5	− 1.1	− 0.4	− 1.2	− 2.4	− 2.2
9 „	− 1.6	− 1.3	− 1.1	0.3	− 0.2	− 0.3	− 0.1	− 0.5	− 0.3	− 0.4	− 1.4	− 1.3
10 „	− 0.2	0.1	0.1	0.5	0.5	0.4	0.3	0.2	0.3	0.5	0.5	0.0
11 „	1.3	1.2	1.0	0.8	1.2	1.1	0.7	0.8	0.8	1.2	1.3	1.3
Noon.	2.5	2.2	1.8	1.8	1.7	1.3	1.0	1.2	1.2	1.8	2.4	2.4
1 P.M.	3.5	2.8	2.4	2.1	2.0	1.5	1.2	1.6	1.5	2.1	3.4	3.4
2 „	4.5	3.2	2.8	2.3	2.3	1.7	1.3	1.7	1.8	2.4	3.9	3.9
3 „	4.4	3.2	2.9	2.3	2.4	1.6	1.2	1.6	1.9	2.5	4.0	4.0
4 „	4.1	2.8	2.9	2.1	2.2	1.6	1.1	1.3	1.6	2.1	3.5	3.4
5 „	3.1	2.1	2.3	1.6	1.8	1.3	0.6	1.0	1.1	1.5	2.4	2.4
6 „	1.7	1.0	1.4	0.7	1.1	0.6	0.5	0.5	0.4	0.7	1.6	1.3
7 „	1.2	0.6	0.8	0.3	0.3	0.1	0.1	0.1	0.1	0.2	1.0	0.6
8 „	0.5	0.3	0.4	0.0	0.0	− 0.1	0.0	0.2	− 0.3	0.0	0.6	0.5
9 „	0.2	− 0.1	0.1	− 0.2	− 0.3	− 0.3	− 0.2	− 0.3	− 0.5	− 0.3	0.0	− 0.2
10 „	− 0.3	− 0.3	− 0.1	− 0.4	− 0.5	− 0.4	− 0.3	− 0.4	− 0.6	− 0.5	− 0.6	− 0.7
11 „	− 0.8	− 0.6	− 0.4	− 0.6	− 0.7	− 0.6	− 0.4	− 0.5	− 0.7	− 0.8	− 1.0	− 1.2

TABLE XXV.—*Showing, for the Year* 1860, *the Mean Hourly Temperature of Air confined within the Observatory, for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean of the Year* 1860.

Bombay Civil Time.	Mean Temperature of Air within the Observatory.	Difference from the Mean of the Whole.
Midnight.	81°4	− 0°9
1 A. M.	81·2	− 1·1
2 ,,	81·0	− 1·3
3 ,,	80·8	− 1·5
4 ,,	80·5	− 1·8
5 ,,	80·3	− 2·0
6 ,,	80·1	− 2·2
7 ,,	80·2	− 2·1
8 ,,	80·7	− 1·6
9 ,,	81·5	− 0·8
10 ,,	82·5	0·2
11 ,,	83·3	1·0
Noon.	84·0	1·7
1 P. M.	84·6	2·3
2 ,,	84·9	2·6
3 ,,	84·9	2·6
4 ,,	84·7	2·4
5 ,,	84·1	1·8
6 ,,	83·4	1·1
7 ,,	82·7	0·4
8 ,,	82·4	0·1
9 ,,	82·1	− 0·2
10 ,,	81·8	− 0·5
11 ,,	81·6	− 0·7

FOR DAY AND NIGHT.

Mean of { 6, 7, 8, 9, 10, 11 P. M. / Midnt. 1, 2, 3, 4, 5 A. M. } or Night.... 81°6

Mean of { 6, 7, 8, 9, 10, 11 A. M. / Noon. 1, 2, 3, 4, 5 P. M. } or Day ..... 83·0

Mean Annual ..... 82·3

TIMES OF MEAN MAXIMUM AND MINIMUM.

A minimum at 6 A. M.
A maximum between 2 and 3 P. M.

TABLE XXVI.—*Showing, for the Year* 1860, *the Hours of Bombay Civil Time at which the Mean Temperature of Air confined within the Observatory, in each Month, was at its Maximum and Minimum.*

Months, 1860.	The Mean Hourly Temperature of Air confined within the Observatory.		Mean Diurnal Range.	The Time at which the Mean Hourly Temperature of Air within the Observatory was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
				H.	H.
January	80°0	72°0	8°0	2 P. M.	7 A. M.
February	81·4	75·4	6·0	Between 2 & 3 P. M.	7 ,,
March	83·9	78·4	5·5	Between 3 & 4 P. M.	7 ,,
April	85·6	81·2	4·4	Between 2 & 3 P. M.	6 ,,
May.....	88·8	84·4	4·4	3 P. M.	6 ,,
June.....	87·5	84·3	3·2	2 ,,	6 ,,
July.....	84·0	81·7	2·3	2 ,,	7 ,,
August.....	84·3	81·3	3·0	2 ,,	6 ,,
September	85·2	81·9	3·3	3 ,,	6 ,,
October	88·2	83·9	4·3	3 ,,	6 ,,
November	85·9	78·7	7·2	3 ,,	6 ,,
December.....	84·8	77·7	7·1	3 ,,	Between 6 & 7 A. M.

TABLE XXVII.—*Showing, for each Month, the Mean Temperature of Ground one inch below its Surface; and its Periodic Changes from the Mean of the Year.*

Months, 1860.	Mean Temperature of Ground one inch below its Surface.	Difference from the Mean of the Year.	FOR SEASONS.
January	72°1	− 7°5	
February	75·0	− 4·6	Mean of { Jan., Feb., March, / Oct., Nov., Dec. } or Winter .... 77°2
March	78·4	− 1·2	
April	81·0	1·4	
May	84·2	4·6	Mean of { April, May, June, / July, Aug., Sept. } or Summer..... 81·9
June.....	83·5	3·9	
July	81·0	1·4	Mean of the Year ..... 79·6
August.....	80·6	1·0	
September	81·0	1·4	Greatest Monthly Mean in May ..... 84·2
October	82·7	3·1	Least Monthly Mean in January ..... 72·1
November	78·1	− 1·5	
December	77·0	− 2·6	Difference .... 12·1

TABLE XXVIII.—*Mean Temperature of Ground, one inch below its Surface, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1860.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	70°5	73°4	77°0	79°5	82°7	82°5	80°3	79°5	79°8	80°2	75°8	74°9
1 A. M.	70.2	73.2	76.6	79.4	82.4	82.2	80.1	79.5	79.8	81.0	75.4	74.8
2 „	69.6	73.0	76.1	79.2	82.2	82.1	80.0	79.4	79.8	80.9	75.2	74.3
3 „	69.2	72.7	75.7	78.8	81.9	82.0	79.9	79.3	79.6	80.8	74.6	74.0
4 „	68.7	72.3	75.3	78·5	81.7	81.7	79.9	79.2	79·5	80.6	74.4	73.7
5 „	68.1	71.8	74.9	77.9	81.5	81.5	79.9	79.1	79.3	80.2	74.0	74.0
6 „	67.7	71.5	74.5	77.7	81.6	81.4	79.8	79.2	79.2	80.1	74.0	72·8
7 „	67.5	71.3	75.3	78.9	82.9	82.2	79.9	79.4	79.8	80.9	74.5	73.8
8 „	69.0	72.8	77.0	80.4	84.0	83.0	80·6	79.9	80.6	81.8	75·7	75.0
9 „	70.7	74.2	78.4	81.7	84.7	83.9	81.2	80.7	81.3	82.7	77.1	76.1
10 „	72.0	75.6	79.4	82.4	85.4	84.8	81.6	81.4	82.0	83.6	78.7	77.5
11 „	73.6	76.6	80.5	83.0	86.0	85.2	81.9	82.0	82.5	84.4	80.2	78.9
Noon.	75.0	77.3	81.1	83.6	86.4	85.2	82.3	82.4	82.9	85.1	81.8	80.4
1 P. M.	76.0	78.3	81·6	84.2	86.8	85.6	82.7	82.7	83.2	85.6	83.1	81.6
2 „	76.8	78·7	82.0	84.4	87.0	85.7	82.6	82.7	83.4	86.0	83·5	82.2
3 „	77.0	78.9	82.1	84.4	87.1	85.6	82.4	82.6	83.5	86.1	83.3	82.1
4 „	76.9	78.6	82.0	84.1	86.9	85.5	82.3	82.1	83.0	85.5	82.6	81.4
5 „	75.9	78.0	81.2	82.9	86.3	85.0	81.9	81.7	82.3	84.6	81.2	80.0
6 „	74.3	76.6	79.8	81.8	85.4	84.3	81.3	81.1	81.4	83·3	80.1	78.9
7 „	73.6	75.9	79.2	81.1	84.3	83.6	80.9	80.5	80.9	82.8	79.6	78·2
8 „	73.0	75.5	78.7	80.7	83.8	83.2	80.7	80.2	80.5	82.5	79.0	77.7
9 „	72.4	75.0	78.3	80.5	83.4	83.1	80.6	79.9	80.4	82.1	77.8	76.9
10 „	71.8	74.4	77.8	80.1	83.2	83.0	80.5	79.9	80.1	81.7	76.7	75.9
11 „	71·0	73.9	77.5	79·8	83.0	82.7	80.3	79.8	79.9	81.4	75.9	75.4

TABLE XXIX.—*Excess of the Mean Hourly Temperature of Ground, one inch below its Surface, above the Mean Monthly Temperature.*

Bombay Civil Time.	MONTHS, 1860.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	− 1°6	− 1°6	− 1°4	− 1°5	− 1°5	− 1°0	− 0°7	− 1°0	− 1°2	− 1°5	− 2°3	− 2°1
1 A. M.	− 2·0	− 1·8	− 1·9	− 1·6	− 1·8	− 1·4	− 0·9	− 1·1	− 1·2	− 1·7	− 2·7	− 2·3
2 „	− 2·5	− 2·0	− 2·3	− 1·9	− 2·0	− 1·5	− 1·0	− 1·2	− 1·2	− 1·8	− 2·9	− 2·7
3 „	− 2·9	− 2·3	− 2·7	− 2·2	− 2·3	− 1·6	− 1·1	− 1·3	− 1·4	− 1·9	− 3·5	− 3·1
4 „	− 3·4	− 2·7	− 3·1	− 2·6	− 2·5	− 1·8	− 1·1	− 1·4	− 1·5	− 2·1	− 3·7	− 3·4
5 „	− 4·0	− 3·2	− 3·5	− 3·1	− 2·8	− 2·0	− 1·1	− 1·5	− 1·7	− 2·5	− 4·1	− 4·0
6 „	− 4·4	− 3·5	− 3·9	− 3·4	− 2·0	− 2·1	− 1·2	− 1·4	− 1·8	− 2·7	− 4·1	− 4·3
7 „	− 4·6	− 3·7	− 3·1	− 2·2	− 1·4	− 1·4	− 1·1	− 1·2	− 1·2	− 1·8	− 3·6	− 3·2
8 „	− 3·0	− 2·2	− 1·4	− 0·7	− 0·2	− 0·6	− 0·4	− 0·7	− 0·5	− 0·9	− 2·4	− 2·0
9 „	− 1·4	− 0·8	0·0	0·6	0·5	0·4	0·2	0·1	0·3	0·0	− 1·0	− 1·0
10 „	− 0·1	0·6	1·0	1·3	1·2	1·3	0·6	0·8	1·0	0·9	0·6	0·4
11 „	1·5	1·6	2·0	2·0	1·7	1·7	0·9	1·4	1·5	1·7	2·1	1·8
Noon.	2·9	2·4	2·7	2·5	2·2	1·7	1·3	1·5	1·9	2·4	3·7	3·3
1 P. M.	3·9	3·3	3·2	3·2	2·6	2·0	1·7	2·1	2·2	2·9	5·0	4·6
2 „	4·7	3·7	3·6	3·4	2·8	2·2	1·6	2·2	2·4	3·3	5·4	5·1
3 „	4·9	3·9	3·7	3·4	2·9	2·0	1·4	2·0	2·5	3·4	5·2	5·0
4 „	4·8	3·6	3·6	3·1	2·7	2·0	1·3	1·5	2·0	2·8	4·5	4·3
5 „	3·8	3·0	2·8	1·9	2·1	1·5	0·9	1·2	1·3	1·8	3·1	2·9
6 „	2·2	1·6	1·4	0·8	1·2	0·8	0·3	0·5	0·3	0·6	2·0	1·8
7 „	1·5	0·5	0·7	0·1	0·1	0·1	− 0·1	− 0·1	− 0·1	0·1	1·5	1·2
8 „	0·9	0·6	0·3	− 0·3	− 0·4	− 0·3	− 0·3	− 0·4	− 0·5	− 0·2	0·9	0·7
9 „	0·3	0·0	− 0·1	− 0·5	− 0·8	− 0·4	− 0·4	− 0·7	− 0·7	− 0·6	− 0·3	− 0·1
10 „	− 0·3	− 0·6	− 0·6	− 0·9	− 1·0	− 0·6	− 0·5	− 0·7	− 1·0	− 1·0	− 1·5	− 1·2
11 „	− 1·1	− 1·1	− 0·9	− 1·3	− 1·2	− 0·8	− 0·7	− 0·8	− 1·1	− 1·3	− 2·2	− 1·6

TABLE XXX.—*Showing, for the Year* 1860, *the Mean Temperature of Ground, one inch below its Surface, for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean of the Year.*

Bombay Civil Time.	Mean Temperature of Ground one inch below its surface.	Difference from the Mean of the Whole.
Midnight.	78°1	− 1°5
1 A. M.	77·9	− 1·7
2 „	77·6	− 2·0
3 „	77·4	− 2·2
4 „	77·1	− 2·5
5 „	76·8	− 2·8
6 „	76·6	− 3·0
7 „	77·2	− 2·4
8 „	78·3	− 1·3
9 „	79·4	− 0·2
10 „	80·4	0·8
11 „	81·2	1·6
Noon.	81·9	2·3
1 P. M.	82·6	3·0
2 „	82·9	3·3
3 „	82·9	3·3
4 „	82·6	3·0
5 „	81·7	2·1
6 „	80·7	1·1
7 „	80·1	0·5
8 „	79·6	0·0
9 „	79·2	− 0·4
10 „	78·8	− 0·8
11 „	78·4	− 1·2

FOR DAY AND NIGHT.

Mean of {6, 7, 8, 9, 10, 11 P. M. / Mid. 1, 2, 3, 4, 5 A. M.} or Night .... 78°5

Mean of {6, 7, 8, 9, 10, 11 A. M. / Noon, 1, 2, 3, 4, 5 P. M.} or Day ..... 80·6

Mean Annual..... 79·6

TIMES OF MEAN MAXIMUM AND MINIMUM.

A minimum at 6 A. M.
A maximum between 2 and 3 P. M.

TABLE XXXI.—*Showing, for the Year* 1860, *the Hours of Bombay Civil Time, at which the Mean Temperature of Ground, one inch below its Surface, in each Month, was at its Maximum and Minimum.*

Months, 1860.	The Mean Hourly Temperature of Ground one inch below its surface.		Mean Diurnal Range.	The Time at which the Mean Hourly Temperature of Ground was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
				H.	H.
January	77°0	67°5	9°5	3 P. M.	7 A. M.
February	78·3	71·3	7·6	3 ,,	7 ,,
March	82·1	74·5	7·6	3 ,,	6 ,,
April	84·4	77·7	6·7	Between 1 & 3 P. M.	6 ,,
May	87·1	81·5	5·6	3 P. M.	5 ,,
June	85·7	81·4	4·3	2 ,,	6 ,,
July	82·7	79·8	2·9	1 ,,	6 ,,
August	82·7	79·1	3·6	Between 1 & 2 P. M.	5 ,,
September	83·5	79·2	4·3	3 P. M.	6 ,,
October	86·1	80·1	6·0	3 ,,	6 ,,
November	83·5	74·0	9·5	2 ,,	Between 5 & 6 A. M.
December	82·2	72·8	9·4	2 ,,	6 A. M.

TABLE XXXII.—*Showing, for each Month, the Mean Temperature of Ground nine inches below its Surface; and its Periodic Changes from the Mean of the Year.*

Months, 1860.	Mean Temperature of Ground nine Inches below its Surface.	Difference from the Mean of the Year.	FOR SEASONS.	
January	74°3	− 6°9	Mean of { Jan., Feb., March, Oct., Nov., Dec. } or Winter.....	79°1
February	76·2	− 5·0		
March	79·0	− 2·2		
April	81·6	0·4	Mean of { April, May, June, July, Aug., Sept. } or Summer	83·3
May	84·5	3·3		
June	85·0	3·8		
July	82·9	1·7	Mean of the Year.....	81·2
August	82·6	1·4		
September	83·0	1·8	Greatest Monthly Mean in June	85·0
October	84·3	3·1	Least Monthly Mean in January	74·3
November	80·8	− 0·4		
December.....	79·7	− 1·5	Difference....	10·7

TABLE XXXIII.—*Mean Temperature of Ground, Nine Inches below its Surface, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1860.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	74°2	76°1	79°0	81°5	84°4	84°9	82°7	82°6	82°9	84°2	80°9	79°8
1 A. M.	74.3	76.1	78.9	81.5	64.3	84.9	82.8	82.5	82.9	84.2	80.8	79.7
2 „	74.2	76.0	78.8	81 4	84.2	84.8	82.8	82.5	82.9	84.1	80·7	79.6
3 „	74.0	75.9	78.7	81.3	84.2	84.8	82.7	82·4	82.8	84·1	80.6	79.5
4 „	73.9	75.8	78.6	81·2	84.1	84.7	82.7	82.4	82.8	84.0	80.5	79.4
5 „	73.8	75·6	78.5	81.1	84.0	84.7	82.7	82.3	82.7	84.0	80.5	79.3
6 „	73.7	75.5	78.3	81.0	84.9	84.6	82.7	82.4	82.7	83.9	80 4	79.2
7 „	73.5	75.4	78.3	81.1	84.0	84.6	82.7	82.4	82.7	83.9	80.3	79.2
8 „	73·6	75.5	78.4	81.2	84·2	84.7	82.7	82.4	82.7	83.9	80.3	79.2
9 „	73.8	75.7	78.6	81.4	84.3	84.8	82.7	82.4	82.8	84.0	80.3	79.2
10 „	73 9	75.9	78.8	81.6	84.9	84.9	82.8	82.5	82.9	84.1	80.4	79.3
11 „	74.1	76.1	79.0	81.7	84.6	85.0	82.9	82.6	83.0	84.2	80.5	79.4
Noon.	74.4	76.3	79.1	81.8	84.7	85.1	82.9	82.7	83.1	84.4	80.7	79.6
1 P. M.	74.6	76.4	79.3	82.0	84.8	85.1	83.1	82·7	83.2	84.5	80.9	79.8
2 „	74.7	76.6	79.4	82.1	84·9	85.3	83.1	82.8	83.2	84.6	81.0	79.9
3 „	74.9	76.7	79.5	82.2	85.0	85.3	83.2	82.8	83.4	84·7	81.1	80.1
4 „	75.0	76.7	79.6	82.2	85.0	85.3	83.2	82.8	83.3	84.7	81.2	80.1
5 „	75.1	76.7	79.6	82.2	85.0	85·3	83.2	82.9	83.3	84.6	81.2	80.1
6 „	75.0	76.6	79.5	82.1	84.9	85.3	83.1	82.9	83.2	84.5	81.2	80.1
7 „	74.9	76.5	79.4	82.0	84.8	85.1	83.0	82.8	83.1	84.5	81.2	80.0
8 „	74·8	76.5	79.3	81.9	84.7	85.1	83.0	82.7	83.1	84.5	81.1	79.9
9 „	74.7	76·4	79.2	81.8	84.6	85.0	82.9	82.7	83.0	84.4	81.0	79.9
10 „	74.6	76.4	79.2	81.7	84.6	85.0	82 9	82.7	83.0	84.4	80.9	79.9
11 „	74.6	76.3	79.1	81.7	84.5	84.9	82.8	82.6	82.9	84.3	80.9	79.8

TABLE XXXIV.—*Excess of the Mean Hourly Temperature of Ground, Nine Inches below its Surface, above the Monthly Mean Value.*

Bombay Civil Time.	MONTHS, 1860.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	-0°1	-0°1	0°0	-0°1	-0°1	-0°1	-0°2	0°0	-0°1	-0°1	0°1	0°1
1 A. M.	-0.0	-0.1	-0·1	-0.2	-0·2	-0.1	-0·1	-0.1	-0.1	-0.1	0.0	0.0
2 „	-0.2	-0.2	-0.2	-0.2	-0.3	-0.1	-0.1	-0.1	-0.1	-0.2	-0.1	-0.1
3 „	-0.3	-0.2	-0.3	-0.3	-0.3	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
4 „	-0.4	-0.4	-0.4	-0.4	-0.4	-0.3	-0.2	-0.2·	-0.2	-0.3	-0.3	-0.3
5 „	-0.6	-0.6	-0.5	-0.5	-0.5	-0.3	-0.2	-0.3	-0.3	-0·3	-0.3	-0.4
6 „	-0.7	-0.7	-0.7	-0.6	-0.6	-0.4	-0.2	-0.2	-0.3	-0.4	-0·4	-0.5
7 „	-0·8	-0.7	-0·7	-0.6	-0.5	-0·3	-0.2	-0·2	-0.3	-0.4	-0.5	-0.5
8 „	-0·7	-0.6	-0.6	-0.4	-0.3	-0.3	-0.2	-0.2	-0.3	-0.4	-0.5	-0.4
9 „	-0·6	-0.5	-0.4	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0·3	-0.5	-0.4
10 „	-0.4	-0.2	-0.2	0.0	-0.1	-0.1	-0·1	-0.1	-0·1	-0.2	-0.4	-0·4
11 „	-0.2	-0.1	0.0	0.1	0.1	0.0	0 0	0.0	0.0	-0.1	-0·3	-0.2
Noon.	0.1	0.1	0.1	0.2	0.2	0.1	0.0	0.1	0.1	0.1	-0.1	-0.1
1 P. M.	0.3	0.3	0.3	0·3	0.3	0.2	0.2	0.1	0.2	0·2	0.1	0.1
2 „	0.4	0.4	0.4	0·5	0.4	0.3	0.3	0.2	0.3	0.3	0.2	0.2
3 „	0.6	0.5	0·5	0.5	0.5	0·3	0.3	0.2	0.4	0.4	0 3	0.4
4 „	0.7	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.3	0·4	0.4	0.4
5 „	0.7	0.6	0.6	0.5	0.5	0.4	0.3	0.3	0.3	0.4	0.4	0.4
6 „	0.6	0·5	0.5	0.4	0.4	0.3	0·2	0.3	0.2	0.3	0.4	0.4
7 „	0.6	0.4	0.4	0.3	0.3	0·2	0.1	0.2	0.2	0.2	0.4	0.3
8 „	0.5	0.3	0 3	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.3	0.2
9 „	0.4	0.3	0.2	0.1	0.1	0.0	0.0	0.1	0.0	0·1	0.3	0.2
10 „	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.1	0.0	0.1	0.2	0.2
11 „	0·1	0.1	0 1	0.0	0.0	-0.1	-0.1	0.0	-0.1	0.0	0.1	0.1

TABLE XXXV.—*Showing, for the Year* 1860, *the Mean Temperature of Ground, Nine Inches below its Surface, for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean of the Year.*

Bombay Civil Time.	Mean Temperature of Ground 9 inches below its Surface.	Difference from the Mean of the Whole.	FOR DAY AND NIGHT.
Midnight.	81°1	− 0°1	
1 A. M.	81·1	− 0·1	
2 „	81·0	− 0·2	
3 „	80·9	− 0·3	
4 „	80·8	− 0·4	Mean of { 6, 7, 8, 9, 10, 11 P. M. / Midnt. 1, 2, 3, 4, 5 A. M. } or Night.... 81°2
5 „	80·8	− 0·4	
6 „	80·7	− 0·5	
7 „	80·7	− 0·5	Mean of { 6, 7, 8, 9, 10, 11 A. M. / Noon, 1, 2, 3, 4, 5 P. M. } or Day ..... 81·2
8 „	80·7	− 0·5	
9 „	80·8	− 0·4	
10 „	81·0	− 0·2	Mean Annual ..... 81·2
11 „	81·1	− 0·1	
Noon.	81·2	0·0	
1 P. M.	81·4	0·2	TIMES OF MEAN MAXIMUM AND MINIMUM.
2 „	81·5	0·3	
3 „	81·6	0·4	A minimum at about 7 A. M.
4 „	81·6	0·4	A maximum at about 5 P. M.
5 „	81·6	0·4	
6 „	81·5	0·3	
7 „	81·4	0·2	
8 „	81·4	0·2	
9 „	81·3	0·1	
10 „	81·3	0·1	
11 „	81·2	0·0	

TABLE XXXVI.—*Showing, for the Year* 1860, *the Hours of Bombay Civil Time at which the Mean Temperature of Ground, Nine Inches below its Surface, in each Month, was at its Maximum and Minimum.*

Months, 1860.	The Mean Hourly Temperature of Ground 9 inches below its Surface.		Mean Diurnal Range.	The Time at which the Mean Hourly Temperature of Ground was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
				H.	H.
January	75°1	73°5	1°6	5 P. M.	7 A. M.
February.....	76·7	75·4	1·3	4 „	7 „
March	79·6	78·3	1·3	4 „	7 „
April	82·2	81·0	1·2	4 „	6 „
May.....	85·0	84·0	1·0	5 „	6 „
June.....	85·3	84·6	0·7	4 „	6 „
July.....	83·2	82·7	0·5	4 „	6 „
August.....	82·9	82·3	0·6	5 „	5 „
September	83·4	82·7	0·7	3 „	7 „
October	84·7	83·9	0·8	4 „	7 „
November	81·2	80·3	0·9	5 „	9 „
December.....	80·1	79·2	0·9	4 „	7 „

TABLE XXXVII.—*Showing, for each Month, the Mean Temperature of Ground Sixty Inches below its Surface; and its Periodic Changes from the Mean of the Year.*

Months, 1860.	Mean Temperature of Ground sixty inches below its Surface.	Difference from the Mean of the Year.	FOR SEASONS.
January	81°6	− 2°0	Mean of { Jan., Feb., March, / Oct., Nov., Dec. } or Winter .... 82°8
February	80·6	− 3·0	
March	81·3	− 2·3	
April	82·4	− 1·2	Mean of { April, May, June, / July, Aug., Sept. } or Summer..... 84·3
May	84·0	0·4	
June.....	85·1	1·5	
July	85·5	1·9	Mean of the Year ..... 83·6
August.....	84·7	1·1	
September	84·2	0·6	Greatest Monthly Mean in July ..... 85·5
October	84·6	1·0	Least Monthly Mean in February..... 80·6
November	84·6	1·0	
December	83·9	0·3	Difference .... 4·9

TABLE XXXVIII.—*Showing, for each Month, the Mean Temperature of Ground Twenty Inches below its Surface; and its Periodic Changes from the Mean of the Year.*

Months, 1860.	Mean Temperature of Ground twenty Inches below its Surface.	Difference from the Mean of the Year.	FOR SEASONS.
January	77°4	− 4°8	Mean of { Jan., Feb., March, / Oct., Nov., Dec. } or Winter..... 80°6
February	77·8	− 4·4	
March	79·4	− 2·8	
April.....	82·0	− 0·2	Mean of { April, May, June, / July, Aug., Sept. } or Summer .... 83·7
May	84·3	2·1	
June.....	85·4	3·2	
July	84·1	1·9	Mean of the Year..... 82·2
August.....	83·5	1·3	
September	83·2	1·0	Greatest Monthly Mean in June ..... 85·4
October	84·3	2·1	Least Monthly Mean in January ..... 77·4
November	83·2	1·0	
December.....	81·4	− 0·8	Difference.... 8·0

TABLE XXXIX.—*Mean Temperature of Evaporation or Wet Bulb Thermometer for each day of Bombay Civil Time.*

Date, 1860.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1		63°8	71°9		80°3	80°3			77°7	79°8	75°2	69°2
2		65.3	70.9	74°8	79.7	81.3	78°4	77°4		79.2	74.5	
3	63°5	65·2	70.6	75·8	77·8		78.8	77.6	77.8	78.8	73.2	70.4
4	65.4	65·7		74.5	78.0	80.7	79.6	78.1	76.7	75.9		70·9
5	65.4		70.6	74.1	78.4	81.3	80.2		77.4	76.5	73.6	70.0
6	66.3	67.8	72.2			81.6	78.4	77.5	77.5	76.3	71·3	69.3
7	66.2	68·8		75.1	78.6	81.9	79.4	77.9	77.8		67.5	69.2
8		69.8	71.9		78.8	80.4		77.1	78.5	79.2	66.6	69.9
9	66.7	69.1	71.4	76.2	79.4	79.4	77.2	77.4		79.8	68.3	
10	66.9	68.4	71.7	77.3	78.5		78·7	78.4	78.1	80.1	69.0	71.0
11	66.8	69.7		76.5	78.1	78.9	79.8	77.8	77.7	78.9		70.2
12	67.6		73.3	75.5	78.1	79.6	80.0	77.6	78.0	79.1		70.5
13	67.4	72.1	71.5	76.1		78.6	80.1		77.6	80.7	70.3	69.9
14	67.1	72.4	72.2	75.7	78.3	78.5	79.9	77.3	77.3		69.9	68.9
15		71.9	73·5		78.2	81.5		77.6	78.2	78.6	70.5	70.6
16	65.9	71.2	72.7	76.6	77.3	81.0	78.6	77.8		78.4	69.2	
17	68.1	70.5	71.2	76.6	77.5		78.8	76·6	78.4	77.3	68.9	73.2
18	67.9	69.2		75.8	77.8	81.7	78.9	77.3	78.0	79.6		73.2
19	67.6		72·2	74.9	78.5	81.6	77.7		77·9	78.9	69.1	72.3
20	67·4		72.1	76.9		79.2	77.3	78.1	77.7	78.8	69.3	72.2
21	68.3	72·0	73·6	76.9	79.5	78.9	78.7	77.5	76.9		71.9	72.4
22		72.5	74.3		79.3	77·7		77.8	76.9	78.6	73.2	72.5
23	64.7	70.9	73.4	75·8	78.5	78.7	79.1	77.9		80.0	72.7	
24	59.1	69.7	76.3	76.4			78·8	77.4	76.7	80.4	72.0	70.4
25	64.6	69.2		76.9	78.1	80·2	78.9	77.9	77.0	80.3	71.2	
26	66.5	71.1	77.1	77.1	79.6	79.8	79.3	77.7	77.5	81·0		69.4
27	66.3		75.6	78.3	79.4	79.8	79.0		78.1	80·9	69.4	69.9
28	63.5	72.2	74.7	78.6		80.1	79·1	77.7	79.3		67.3	69.8
29		72.3	75·9		78·5	78·4		77.5	78.1	80.0	68.9	70.5
30	61.6		75·3	78.8	78.3	77.6	79.1	77.3		78.2	69.5	
31	62.3		74.9		79.3		79.4	77.8		76.1		71.3

TABLE XL.—*Showing, for each Month, the Mean Temperature of Evaporation and its Periodic Changes from the Mean of the Year.*

Months, 1860.	Mean Temperature of Evaporation.	Difference from the Mean of the Year.
January	65°7	− 9°1
February	69·6	− 5 2
March	73·1	− 1·7
April	76·3	1·5
May	78·6	3·8
June	80·0	5·2
July	79·0	4·2
August	77·6	2·8
September	77·7	2·9
October	78·9	4·1
November	70·5	− 4·3
December	70·7	− 4·1

FOR SEASONS.

Mean of {Jan. Feb. March, Oct. Nov. Dec.} or Winter	71°4
Mean of {April, May, June, July, Aug. Sept.} or Summer	78·2
Mean of the Year	74·8
Greatest Monthly Mean, in June	80·0
Least Monthly Mean, in January	65·7
Difference.....	14·3

TABLE XLI.—*Mean Temperature of Evaporation or Wet Bulb Thermometer in each Month, for each hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1860.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	64°9	68°3	72°8	75°6	78°0	79°4	78°5	76°7	76°9	78°1	69°8	69°9
1 A. M.	64.5	68.7	72.3	75.6	78.0	79.0	78.6	76.8	76.7	78.2	69.3	69.9
2 „	64.0	68.4	72.0	75.2	77.7	79.0	78.4	76.7	76.8	78.0	69.4	69.4
3 „	63.5	68.2	71.6	75.0	77.5	78.8	78 3	76.7	76.6	77.9	69.0	68.8
4 „	62.9	67.5	71.3	74.7	77.3	78.7	78.3	76.6	76.6	77.8	68.4	68.4
5 „	62.2	67.1	71.0	74.3	77.4	78.7	78.2	76.8	76.7	77.6	68.1	67.8
6 „	61.4	66.8	70.6	74.3	77.5	78.8	78.0	76.9	76.7	77.6	67.5	67.6
7 „	61.6	67.0	71.5	75.4	78.1	79.3	78.4	77.2	77.4	78.5	68.1	68.3
7 „	63.5	68.5	72.0	76.3	78.6	79.8	79.0	77.3	78.2	79.1	68.8	69.1
9 „	64.4	68.8	73.1	76.9	79.0	80.4	79.4	78.1	78.6	79.9	69.5	70.0
10 „	65.0	69.6	73.4	77.2	79.1	81.0	79.8	78.2	78.9	80.1	70.0	70.4
11 „	66.2	70.1	74.3	77.6	79.5	81.3	79 9	78.8	79.1	80.3	70.5	70.9
Noon.	67.0	71.0	74.7	77.9	79.7	81.4	80.1	79.1	79.1	80.3	70.7	70.9
1 P. M.	68.2	72.0	75.0	78.2	79.9	81.2	80.3	79.2	79.3	80.5	72.1	71.9
2 „	68.9	72 7	75.1	78.2	79 9	81.2	80.1	79.3	79.3	80.7	72.6	72.6
3 „	69.7	72·9	74.9	78.1	79.9	81.0	80.0	78.8	79.0	80·8	73.1	73.3
4 „	69.8	72.4	74.9	77.8	79.7	80·8	79.7	78.3	78.5	80.3	73.3	73.5
5 „	69.2	71.7	74.2	76.8	79.3	80.6	79.4	78·0	78.0	79.4	72.9	73.0
6 „	68.1	70.6	73·6	76.4	78·8	80·1	78.9	77.5	77.5	78.6	72.7	72.8
7 „	68.0	70.2	73.4	76.1	78.6	79·9	78.5	77.3	77.1	78.4	72.9	72.7
8 „	67.2	70·4	73.4	76.0	78.5	79 7	78.5	77.1	77.1	78·5	72.8	72.5
9 „	66.6	70.1	73.5	76.2	78.3	79.7	78.6	77·1	77.2	78.3	71.4	71.9
10 „	65.7	69.1	73·3	76·0	78·3	79.8	78.6	76·9	77.0	78.1	69.6	70.5
11 „	64.9	68.7	73.0	75.8	78.2	79.7	78.6	77.0	77·0	77.8	69.4	70.1

TABLE XLII.—*Excess of Mean Hourly Temperature of Evaporation above Monthly Mean Value.*

Bombay Civil Time.	MONTHS, 1860.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	− 0°8	− 1°3	− 0°3	− 0°7	− 0°6	− 0°6	− 0°5	− 0°9	− 0°8	− 0°8	− 0°7	− 0°8
1 A. M.	− 1.2	− 0.9	− 0·8	− 0.7	− 0.6	− 1.0	− 0·4	− 0.8	− 1·0	− 0.7	− 1·2	− 0.8
2 „	− 1.7	− 1.2	− 1·1	− 1.1	− 0.9	− 1·0	− 0.6	− 0.9	− 0·9	− 0.9	− 1.1	− 1.3
3 „	− 2.2	− 1.4	− 1·5	− 1.3	− 1.1	− 1·2	− 0.7	− 0.9	− 1.1	− 1.0	− 1.5	− 1.9
4 „	− 2.8	− 2·1	− 1.8	− 1.6	− 1·3	− 1.3	− 0.7	− 1.0	− 1.1	− 1·1	− 2.1	− 2·3
5 „	− 3.5	− 2.5	− 2.1	− 2.0	− 1·2	− 1.3	− 0.8	− 0.8	− 1.0	− 1.3	− 2.4	− 2.9
6 „	− 4.3	− 2.8	− 2·5	− 2.0	− 1·1	− 1.2	− 1.0	− 0.7	− 1.0	− 1.3	− 3.0	− 3.1
7 „	− 4.1	− 2.6	− 1.6	− 0.9	− 0·5	− 0.7	− 0·6	− 0.4	− 0.3	− 0.4	− 2.4	− 2.4
8 „	− 2.2	− 1.1	− 1.1	0·0	0·0	− 0·2	0.0	− 0.3	0.5	0.2	− 1.7	− 1.6
9 „	− 1.3	− 0.8	0.0	0.6	0·4	0·4	0·4	0.5	0.9	1.0	− 1.0	− 0.7
10 „	− 0.7	0.0	0·3	0.9	0·5	1.0	0·8	0.6	1·2	1.2	− 0.5	− 0.3
11 „	0·5	0.5	1.2	1.3	0·9	1.3	0.9	1.2	1.4	1.4	0.0	0.2
Noon.	1.3	1.4	1.6	1.6	1.1	1.4	1.1	1.5	1.4	1.4	0.2	0.2
1 P.M.	2.5	2.4	1.9	1.9	1·3	1·2	1.3	1.6	1.6	1.6	1.6	1.2
2 „	3.2	3·1	2.0	1.9	1·3	1.2	1·1	1.7	1.6	1.8	2.1	1.9
3 „	4.0	3.3	1.8	1.8	1·3	1·0	1.0	1·2	1.3	1.9	2.6	2.6
4 „	4·1	2.8	1.8	1.5	1·1	0·8	0.7	0.7	0·8	1.4	2.8	2.8
5 „	3.5	2.1	1.1	0.5	0·7	0.6	0·4	0.4	0.3	0.5	2.4	2.3
6 „	2.4	1.0	0.5	0.1	0.2	0.1	− 0.1	− 0·1	− 0.2	− 0.3	2.2	2.1
7 „	2.3	0.6	0.3	− 0·2	0·0	− 0.1	− 0·5	− 0.3	− 0.6	− 0.5	2.4	2.0
8 „	1.5	0.8	0.3	− 0.3	− 0·1	− 0.3	− 0.5	− 0.5	− 0.6	− 0.4	2.3	1.8
9 „	0.9	0.5	0·4	− 0.1	− 0·3	− 0.3	− 0·4	− 0.5	− 0.5	− 0.6	0.9	1.2
10 „	0.0	− 0.5	0·2	− 0·3	− 0.3	− 0.2	− 0.4	− 0·7	− 0.7	− 0.8	− 0.9	− 0.2
11 „	− 0.8	− 0.9	− 0.1	− 0.5	− 0·4	− 0.3	− 0.4	− 0.6	− 0.7	− 1.1	− 1.1	− 0.6

TABLE XLIII.—*Showing, for the Year* 1860, *the Mean Temperature of Evaporation for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean of the Year.*

Bombay Civil Time.	Mean Temperature of Evaporation.	Difference from the Mean of the Whole.	FOR DAY AND NIGHT.
Midnight.	74°1	− 0°7	
1 A. M.	74·0	− 0·8	
2 „	73·8	− 1·0	
3 „	73·5	− 1·3	
4 „	73·2	− 1·6	
5 „	73·0	− 1·8	Mean of {6, 7, 8, 9, 10, 11 P. M. / Mid. 1, 2, 3, 4, 5 A. M.} or Night .... 74°2
6 „	72·8	− 2·0	
7 „	73·4	− 1·4	
8 „	74·2	− 0·6	Mean of {6, 7, 8, 9, 10, 11 A. M. / Noon, 1, 2, 3, 4, 5 P. M.} or Day ..... 75·4
9 „	74·8	0·0	
10 „	75·2	0·4	
11 „	75·7	0·9	Mean Annual ..... 74·8
Noon.	76·0	1·2	
1 P. M.	76·5	1·7	
2 „	76·7	1·9	
3 „	76·8	2·0	TIMES OF MEAN MAXIMUM AND MINIMUM.
4 „	76·6	1·8	
5 „	76·0	1·2	A minimum at 6 A. M.
6 „	75·5	0·7	A maximum at 3 P. M.
7 „	75·3	0·5	
8 „	75·1	0·3	
9 „	74·9	0·1	
10 „	74·4	− 0·4	
11 „	74·2	− 0·6	

TABLE XLIV.—*Showing, for the Year* 1860, *the Hours of Bombay Civil Time at which the Mean Temperature of Evaporation or Wet Bulb Thermometer in each Month, was at its Maximum and Minimum.*

Months, 1860.	The Mean Hourly Temperature of Evaporation.		Mean Diurnal Range.	The Time at which the Mean Hourly Temperature of Evaporation was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
				H.	H.
January	69°8	61°4	8°4	4 P. M.	6 A. M.
February	72·9	66·8	6·1	3 „	6 „
March	75·1	70·6	4·5	2 „	6 „
April	78·2	74·3	3·9	Noon.	5 „
May	79·9	77·3	2·6	2 P. M.	4 „
June	81·4	78.7	2·7	Noon.	4 „
July	80·3	78·0	2·3	1 P. M.	6 „
August	79·3	76·6	2·7	2 „	4 „
September	79·3	76·6	2·7	1 „	4 „
October	80·8	77·6	3·2	3 „	6 „
November	73·3	67·5	5·8	4 „	6 „
December	73·5	67·6	5·9	4 „	6 „

TABLE XLV.—*Showing the Greatest and Least Temperature of Evaporation in simple Hourly Observations in each Month, during the Year* 1860.

Months, 1860.	Greatest Temperature of Evaporation.				Least Temperature of Evaporation.			
	Day and Hour.	Greatest Temperature of Evaporation.	Normal Mean.	Difference.	Day and Hour.	Least Temperature of Evaporation.	Normal Mean.	Difference.
	D. H.				D. H.			
January	12 4 P. M.	74°0	70°0	4°0	24 6 A. M.	52°0	63°0	−11°0
February	21 3 „	77·4	73·5	3·9	1 5 „	57·3	64·7	− 7·4
March	26 Noon.	80·0	75·9	4·1	2 6 „	64·0	72·7	− 8·7
April	27 1 P. M.	80·3	78·9	1·4	5 6 „	71·0	73·1	− 2·1
May	26 3 „	82·0	80·3	1·7	3 5 „	74·8	76·2	− 1·4
June	19 Noon.	84·4	81·3	3·1	11 Mid.	74·0	79·2	− 5·2
July	11 2 P. M.	83·0	80·2	2·8	19 6 A. M.	73·2	77·9	− 4·7
August	15 Noon.	81·0	79·1	1·9	9 2 „	75·0	77·0	− 2·0
September	28 1 P. M.	82·6	79·8	2·8	22 5 „	74·6	77·4	− 2·8
October	26 1 „	83·5	77·4	6·1	16 7 P. M.	72·2	78·4	− 6·2
November	22 2 „	78·0	72·6	5·4	20 6 A. M.	62·0	67·5	− 5·5
December	17 1 „	76·0	71·9	4·1	26 4 „	64·0	68·4	− 4·4

DEW POINT.

TABLE XLVI.—*Showing, for each Month, the Mean Temperature of Dew Point, and its Periodic Changes from the Mean of the Year.*

Months, 1860.	Mean Temperature of Dew Point.	Difference from the Mean of the year.	FOR SEASONS.
January	62°1	−10°4	
February	66·6	− 5·9	Mean of { Jan. Feb. March, Oct. Nov. Dec. } or Winter ..... 68°4
March	70·4	− 2·1	
April	74·2	1·7	
May	76·2	3·7	Mean of { April, May, June, July, Aug. Sept. } or Summer ..... 76·6
June	78·5	6·0	
July	78·3	5·8	Mean of Year ..... 72·5
August	76·4	3·9	
September	76·4	3·9	Greatest Monthly Mean in June..... 78·5
October	77·4	4·9	Least Monthly Mean in January..... 62·1
November	66·5	− 6·0	
December	67·4	− 5·1	Difference.... 16·4

TABLE XLVII.—*Mean Temperature of Deduced Dew Point in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1860.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	62°6	66°1	71°2	74°3	76°3	78°5	78°0	75°9	76°0	77°2	67°2	67°9
1 A. M.	62·2	66.8	70.7	74.3	76·4	78.1	78.2	75.9	75.7	77.4	66.8	68.0
2 „	61.7	66.6	70.4	73.9	76.1	78.1	77.9	75.8	75.8	77.1	67.1	67.5
3 „	61.1	66.4	70.2	73.8	75·9	77.8	77.8	75.8	75.6	77.4	66·6	66.7
4 „	60.4	65.5	69·8	73.5	75.8	77.8	77.8	75.8	75.7	77.0	65.9	66.3
5 „	59.5	65.3	69.6	73.2	76.0	77.9	77.7	76.0	75·9	76.9	65.5	65.7
6 „	58.4	65.0	69·0	73·2	76.1	78.0	77.4	76.1	76·0	76.9	64.8	65.5
7 „	58.8	65.2	69.5	73.9	76.0	78.3	77.9	76.4	76.6	77.7	65.2	66.3
8 „	60.1	65.9	69.3	74.2	76.0	78.5	78.0	76.3	77.5	78.0	65.2	66.2
9 „	60.0	65.2	69.9	74.3	76.1	78.9	78.6	76.9	77.5	78.6	65.0	66.5
10 „	59·9	65.3	69.6	74.3	75.9	79.1	78.9	76.7	77.4	78.4	64.7	66.1
11 „	60.7	65.5	70.3	74.5	76.0	79.4	78.9	77.2	77.5	78.2	64.0	65.9
Noon.	60.7	66.4	70.6	74.6	76.0	79.0	79.0	77.3	77.2	77.7	63·0	64.3
1 P. M.	62.0	67.5	70.8	74.9	76.2	78.9	79·2	77.4	77.3	77.7	64.8	65.0
2 „	62.9	68.8	70.8	74.9	76·1	79.0	79.1	77.5	77.1	77.8	65·6	66.0
3 „	64.5	69.0	70.5	74·9	76.3	78·7	79·0	76.8	76.7	78.1	66.9	67.7
4 „	65.8	68.6	70.4	74.8	76·2	78.6	78.7	76.5	76·4	77.8	68.1	69.0
5 „	65.4	68.2	70.5	74.0	76.3	78·8	78.4	76.4	76.3	77.1	68.6	69.7
6 „	64.8	67.5	70.5	74·1	76.3	78.5	78.1	76.1	76.1	76.8	69.3	70.1
7 „	65.2	67·4	70.7	74.1	76.6	78.6	77·8	76.1	75.7	76.8	69.8	70.4
8 „	64.3	67·9	71.1	74.2	76.5	78.5	77.9	76.0	75.9	77.0	70.1	70.3
9 „	63.7	67.8	71.6	74.7	76.4	78.6	78.0	76.0	76.1	77.9	68.5	69.8
10 „	63.1	66.7	71.6	74.6	76.5	78.8	78.0	75.8	76.0	76.9	66.5	68.3
11 „	62.2	66.3	7.12	74.4	76.5	78.7	78.0	76.0	76.1	76.7	66.5	67.9

TABLE XLVIII.—*Excess of the Mean Hourly Temperature of Dew Point above its Monthly Mean Temperature.*

Bombay Civil Time.	MONTHS, 1860.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	- 0°5	- 0°5	0°8	0°1	0°1	0°0	- 0°3	- 0°5	- 0°4	- 0°2	0°7	0°5
1 A. M.	- 0·1	0.2	0.3	0.1	0.2	- 0.4	- 0.1	- 0.5	- 0.7	0.0	0.3	0.6
2 „	- 0.4	0.0	0.0	- 0.3	- 0.1	- 0.4	- 0.4	- 0.6	- 0.6	- 0.3	0.6	0.1
3 „	- 1.0	- 0.2	- 0.2	- 0.4	- 0.3	- 0.7	- 0.5	- 0.6	- 0.8	- 0.0	0.1	- 0.7
4 „	- 1.7	- 1.1	- 0.6	- 0.7	- 0.4	- 0.7	- 0.5	- 0.6	- 0.7	- 0.4	- 0.6	- 1.1
5 „	- 2.6	- 1.3	- 0.8	- 1.0	- 0.2	- 0.6	- 0.6	- 0.4	- 0.5	- 0.5	- 1.0	- 1.7
6 „	- 3.7	- 1.6	- 1.4	- 1.0	- 0.1	- 0.5	- 0·9	- 0.3	- 0.4	- 0.5	- 1.7	- 1.9
7 „	- 3.3	- 1.4	- 0.9	- 0·3	- 0.2	- 0·2	- 0.4	- 0·0	0.2	0·3	- 1.3	- 1.1
8 „	- 2.0	- 0.7	- 1.1	0.0	- 0.2	0.0	- 0.3	- 0.1	0.8	0.6	- 1.3	- 1.2
9 „	- 2.1	- 1.4	- 0·5	0.1	- 0·1	0.4	0.3	- 0.5	1.1	1.2	- 1.5	- 0.9
10 „	- 2.2	- 1.3	- 0.8	0.1	- 0.3	0.6	0.6	0.3	1.0	1.0	- 1.8	- 1.3
11 „	- 1.4	- 1.1	- 0.1	0.3	- 0.2	0.9	0.6	0.8	1.1	0.8	- 2·5	- 1.5
Noon.	- 1.4	- 0.2	0.2	0.4	- 0.2	0·5	0.7	0.9	0.8	0.3	3.5	- 3.1
1 P. M.	- 0.1	0.9	0.4	0.7	0.0	0.4	0·9	1.0	0.9	0.3	- 0.7	- 2.4
2 „	0.8	2.2	0.4	0.7	- 0.1	0.5	0.8	1.1	0.7	0.4	0.9	- 1.4
3 „	2·4	2.4	0.1	0.7	0.1	0.2	0·7	0.4	0·3	0.7	0.4	- 0.3
4 „	3.0	2.0	0.0	0·6	0.0	0.1	0.4	0·1	0·0	0·4	1.6	1.6
5 „	3.3	1.6	0.1	- 0.2	0.1	0.3	0.1	0.0	- 0.1	- 0.3	2.1	2.3
6 „	2.7	0.9	0.1	- 0.1	0.1	0.0	- 0.2	- 0.3	- 0.3	- 0.6	2.8	3.7
7 „	3.1	0.8	0.3	- 0.1	0.4	0.1	- 0.5	- 0.3	- 0.7	- 0·6	3.3	3.0
8 „	2.2	1.3	0.7	0.0	0.3	0.0	- 0.4	- 0.4	- 0.5	- 0.4	3.6	2.9
9 „	1.6	1·2	1.2	0.5	0.2	0.1	- 0.3	- 0.4	- 0.3	- 0.4	2.0	2.4
10 „	1.0	0.1	1.2	0.4	0.3	0.3	- 0.3	- 0.6	- 0.4	- 0.5	0.0	0.9
11 „	0.1	- 0.3	0.8	0.2	0.3	0.2	- 0.3	- 0.4	- 0.3	- 0.7	0·0	0.5

TABLE XLIX.—*Showing, for the Year* 1860, *the Mean Temperature of Deduced Dew Point for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean of the Year.*

Bombay Civil Time.	Mean Temperature of Dew Point.	Difference from the Mean of the Whole.	FOR DAY AND NIGHT.
Midnight.	72°6	0°1	
1 A. M.	72·5	0·0	
2 „	72·3	− 0·2	Mean of {6, 7, 8, 9, 10, 11 P. M. / Mid. 1, 2, 3, 4, 5 A. M.} or Night .... 72°6
3 „	72·1	− 0·4	
4 „	71·8	− 0·7	
5 „	71·6	− 0·9	Mean of {6, 7, 8, 9, 10, 11 A. M. / Noon, 1, 2, 3, 4, 5 P. M.} or Day ..... 72·4
6 „	71·4	− 1·1	
7 „	71·8	− 0·7	
8 „	72·1	− 0·4	Mean Annual..... 72·5
9 „	72·3	− 0·2	
10 „	72·2	− 0·3	
11 „	72·3	− 0·2	
Noon.	72·1	− 0·4	
1 P. M.	72·6	0·1	TIMES OF MEAN MAXIMUM AND MINIMUM.
2 „	73·0	0·5	
3 „	73·3	0·8	A minimum at 6 A. M.
4 „	73·4	0·9	A maximum at 4 P. M.
5 „	73·3	0·8	
6 „	73·2	0·7	
7 „	73·3	0·8	
8 „	73·3	0·8	
9 „	73·3	0·8	
10 „	72·7	0·2	
11 „	72·5	0·0	

TABLE L.—*Showing, for the Year* 1860, *the Hours of Bombay Civil Time at which the Mean Temperature of Deduced Dew Point, in each Month, was at its Maximum and Minimum.*

Months, 1860.	The Mean Hourly Temperature of Deduced Dew Point.		Mean Diurnal Range.	The Time at which the Mean Hourly Temperature of Dew Point was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
				H.	H.
January	65°8	58°4	7°4	4 P. M.	6 A. M.
February.....	69·0	65·0	4·0	3 „	6 „
March	71·6	69·0	2·6	9 „	6 „
April	74·9	73·2	1·7	3 „	6 „
May.....	76·6	75·8	0·8	7 „	4 „
June.....	79·4	77·8	1·6	11 A. M.	3 „
July.....	79·2	77·4	1·8	1 P. M.	6 „
August.....	77·5	75·8	1·7	2 „	4 „
September	77·5	75·6	1·9	11 A. M.	3 „
October	78·6	76·7	1·9	9 „	11 P. M.
November	70·1	63·0	7·1	8 P. M.	Noon
December.....	70·4	64·3	6·1	7 „	„

TABLE LI.—*Daily Range of Temperature of Deduced Dew Point for each Day of Bombay Civil Time.*

Date, 1860.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1		14°5	6°0		1°9	2°4			3°8	2°4	4°0	8°8
2		9.8	13.3	10°1	5.7	3.4	2°9	4°1		3.2	9.8	
3	11°3	5.9	7.2	4.0	5.1		2.9	3.5	3·8	3.2	6.8	10.3
4	21.8	13.5		3.5	2.0	4.3	5.1	3.2	2.8	4.6		10.2
5	12.8		8.2	3.5	3.4	2.9	4.8		3.4	5.6	6.0	13.1
6	6.7	12.5	7.6			2.3	4.1	4.0	2.4	4.2	11.5	9·7
7	5.9	6.8		3.6	1.7	2.6	4.4	3.6	4.4		10.6	11·2
8		6.2	3.2		6·1	7.1		3.9	3.1	2.2	13.8	13.3
9	10.3	11·7	4.2	3·5	4.8	5.1	3.4	4.3		4.2	19.4	
10	12.7	12.7	3.9	3.3	3·8		4.1	3.0	2.5	3.1	8.3	11·6
11	8.5	13.4		5.1	1.4	7·5	5.3	4.2	4.0	6.6		13.1
12	19·7		2.1	5.1	2.2	3·2	5.0	2.5	3.7	7.3		8·4
13	11.7	13.2	3.2	3.0		5.0	2.7		1·7	2.6	10.0	10.1
14	6.7	4·0	4.2	3.7	4·0	4.0	2·6	3.8	2.4		12.6	8.8
15		3.9	3.1		3.7	3.4		5.1	2.6	4.6	8.5	5.4
16	11.8	4.9	3·0	4.5	2.6	3·0	3.4	3.4		8·7	16.4	
17	7.8	1.9	2.2	6.8	2.9		4.0	2·5	3.9	6.7	13.8	7.0
18	5·8	7.6		6.7	3.0	2.8	5.7	4.7	3·9	4.5		4.2
19	11.4		2.4	3.9	2.4	3.8	7.2		3.9	6.7	12.9	7.3
20	8.6		4.2	4.6		3.8	2.3	4.3	4.9	3.0	15.2	9.6
21	4.2	12.9	2·8	2.6	2.6	3.6	3.1	3.5	5.3		12·5	9.7
22		8.3	6.6		2.5	6.5		3.9	3.9	4.6	9.4	6.4
23	9.5	6.5	9.1	2.9	2.0	4.3	4.1	5·0		3.3	10.3	
24	17.4	5.7	6.7	3.2			2.8	4.1	4.9	4.0	9.4	18.8
25	16.8	3.5		2.5	3.8	4·3	3.9	2.8	5.0	5.8	9.3	
26	15.2	6.1	7.0	3.3	2.7	2.3	1.9	2.6	1.3	3·9		12.4
27	15.3		6.6	3.7	1.8	5.3	2.2		4.7	3.2	16.2	9.8
28	15.4	4.5	8.5	3.0		5.0	3.5	2.8	5.4		9·6	7.9
29		4.2	4.5		2.4	6.4		4.2	2.6	3.7	16.5	6.2
30	13.4		7.7	3.5	1.9	4.2	2.7	2.9		6.5	10.3	
31	16.4		7.2		3.1		3.2	3.9		6·6		6.7

TABLE LII.—*Showing the Greatest and Least Temperature of Dew Point, in Simple Hourly Observations, in each Month during the Year* 1860.

Months, 1860.	Greatest Temperature of Dew Point.				Least Temperature of Dew Point.			
	Day and Hour.	Greatest Temperature of Dew Point	Normal Mean.	Difference.	Day and Hour.	Least Temperature of Dew Point.	Normal Mean.	Difference.
	D. H.				D. H.			
January	12 7 P. M.	70°6	65°4	5°2	24 8 A. M.	43°5	60°0	- 16°5
February	21 3 „	74·6	69·3	5·3	1 9 „	51·3	62·6	- 11·3
March	26 Noon	77.7	72·1	5·6	2 8 „	57·5	67·8	- 11·3
April	30 11 P. M.	79·2	75·4	3·8	2 3 „	65·7	72·3	- 6·6
May	2 8 A. M.	79·8	75·2	4·6	3 4 „	72·5	74·8	- 2·3
June	15 11 „	82·6	79·4	3·2	22 9 P. M.	73·0	78·5	- 5·5
July	5 10 „	82·1	79·0	3·1	17 6 A. M.	72 2	76·8	- 4·6
August	15 Noon	80·0	77·3	2·7	30 4 „	73·9	75·8	- 1·9
September	28 „	80·9	77·4	3·5	21 7 P. M.	73·0	75·9	- 2·9
October	27 11 A. M.	81·4	72·5	8·9	11 Noon	70·4	77·6	- 7·2
November	21 7 P. M.	76·0	65·4	10·6	9 2 P. M.	47·1	68·0	- 20·9
December	17 9 „	73·9	69·8	4·1	11 Noon.	56·9	64·1	- 7·2

PRESSURE OF MOISTURE.

TABLE LIII.—*Showing, for each Month, the Mean Pressure of Moisture, and its Periodic Changes from the Mean of the Year.*

Months, 1860.	Mean pressure of Moisture.	Difference from the Mean of the Year.	FOR SEASONS.	
	in.	in.		in.
January	0°562	−0°238	Mean of {Jan. Feb. March, Oct. Nov. Dec.} or Winter ..	0°699
February	·654	− ·146		
March	·737	− ·063		
April	·834	·034	Mean of {April, May, June, July, Aug. Sept.} or Summer ..	0·902
May	·887	·087		
June.....	·956	·156	Mean of the Year.....	0·800
July	·948	·148		
August.....	·893	·093		
September	·893	·093	Greatest Monthly Mean in June	0·956
October	·922	·122	Least Monthly Mean in January	0·562
November	·650	− ·150		
December.....	·668	− ·132	Difference	0·394

TABLE LIV.—*Mean Pressure of Moisture in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1860.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Midnight.	0.571	0.641	0.755	0.834	0.890	0.955	0.940	0.880	0.881	0.915	0.664	0.679
1 A. M.	.564	.655	.744	.836	.894	.943	.946	.880	.874	.921	.655	.682
2 „	.554	.650	.736	.825	.886	.942	.937	.875	.877	.914	.661	.670
3 „	.543	.646	.732	.821	.880	.933	.934	.875	.872	.912	.651	.654
4 „	.530	.629	.723	·815	.877	.934	.935	.877	·874	.910	.636	.645
5 „	.515	.624	.717	.806	.882	.937	.930	.883	.880	.907	.629	.632
6 „	.496	.617	.708	.807	.884	.940	.923	.886	.881	.908	.613	·629
7 „	.503	.622	.716	.824	.882	.948	.936	.894	.899	.931	.621	.644
8 „	.526	.636	.710	.832	.883	.954	·941	.891	.917	.939	·622	.643
9 „	.524	.622	·725	.834	.886	.966	.958	.907	.925	.957	.617	.649
10 „	.522	.623	.718	.835	.879	.974	.968	.902	.923	.952	.611	.640
11 „	.536	.628	.735	.841	.883	.982	.967	.917	.924	.946	.598	.636
Noon.	.536	.646	.742	.845	.882	.980	.970	.919	.915	.931	.549	.603
1 P. M.	.560	.671	·747	.852	.888	.968	.976	.922	.918	.932	.613	.618
2 „	.577	·700	.747	.852	.886	.970	.972	.924	.913	.934	·630	.639
3 „	.607	.705	.740	.851	.889	.961	.970	.906	.903	.942	.657	.675
4 „	.619	.696	.737	.848	.888	.959	.960	.896	.892	.933	.683	.705
5 „	.625	.687	.740	.828	.890	.963	.953	.893	.887	.913	.696	.719
6 „	.614	.671	.740	.831	.890	.955	.942	.886	.884	·904	.711	.730
7 „	.621	.669	.745	.831	.898	.957	.933	.885	.874	.905	.722	·736
8 „	.603	.679	.754	.832	.896	.956	.938	.882	.880	.912	.730	.735
9 „	.594	.676	.765	.846	.892	.958	.940	.883	.886	.910	.693	.723
10 „	.580	.653	.765	.842	.895	.965	.940	.877	.882	.907	.648	.688
11 „	.564	.945	.757	.838	.897	.960	.939	.881	.884	.901	.649	.679

TABLE LV.—*Excess of the Mean Hourly Pressure of Moisture above the Monthly Mean.*

Bombay Civil Time.	MONTHS, 1860.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Midnight.	0.009	-0.013	0.018	0·000	0.003	-0.001	-0.008	-0.013	-0.012	-0.007	0.014	0.011
1 A. M.	.002	.001	·007	.002	-007	-.013	-002	-.013	-.019	-.001	.005	.014
2 „	-.008	-.004	-.001	-.009	-.001	-.014	-.011	-.018	-.016	-.008	.011	.002
3 „	-.019	-.008	-.005	-.013	-.007	-.023	-.014	-.018	-.021	-.010	.001	-.014
4 „	-.032	-.025	-.014	-.019	-.010	-.022	-.013	-.016	-.019	-.012	-.014	-.023
5 „	-.047	-·030	-.020	-.028	-.005	-.019	-.018	-.010	-.013	-.015	-.021	-.036
6 „	-.066	-.037	-.029	-.027	-.003	-.016	-.025	-.007	-.012	-.014	-037	-.039
7 „	-059	-.032	-021	-.010	-.005	-008	-.012	·001	.006	.009	-.029	-.024
8 „	-036	-.018	-.027	-.002	-.004	-.002	-.007	-.002	.024	.017	-.028	-.025
9 „	-.038	-.032	-.012	-.000	-.001	.010	.010	.014	.032	·035	-.033	-.019
10 „	-.040	-.031	-.019	.001	-.008	.018	·020	.009	·030	.030	-.039	-028
11 „	-.026	-.026	-.002	.007	-.004	.026	.019	.024	.031	.024	-·052	-.032
Noon.	-.026	-.008	.005	.011	-.005	.024	.022	.026	.022	.009	-.071	-.065
1 P. M.	-.002	.017	.010	·018	.001	.012	.028	.029	.025	·010	-.037	-.050
2 „	.015	.046	.010	·018	.001	.014	.024	.031	.020	.012	-.020	-.029
3 „	.045	.051	·003	.017	.002	·005	.022	.013	.010	.020	.007	.007
4 „	.057	.042	.000	.014	.001	.003	.012	.003	-.001	·011	.033	.037
5 „	.063	.033	.003	-.006	.003	.007	.005	.000	-.006	-.009	.046	.051
6 „	.052	·017	.003	-.003	.003	-.001	-006	-.007	-.009	-.018	.061	.062
7 „	.059	.015	.008	-.003	.011	·001	-.015	-.008	-.019	-.017	.072	.068
8 „	.041	.025	.017	-.002	.009	.000	-.010	-.011	-.013	-.010	.080	.067
9 „	·032	·022	.028	.012	.005	.002	-.008	-.010	-.007	-012	.043	.055
10 „	.018	-.001	.028	.008	.008	.009	-.008	-.016	-.011	-.015	-.002	.020
11 „	.002	.009	.020	.004	.010	.004	-.009	-.012	-.009	-.021	-.001	.011

TABLE LVI.—*Showing, for the Year* 1860, *the Mean Pressure of Moisture for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean of the Year.*

Bombay Civil Time.	Mean Pressure of Moisture.	Difference from the Mean of the Whole.
	in.	in.
Midnight.	0·800	0·000
1 A. M.	·799	- ·001
2 „	·794	- ·006
3 „	·788	- ·012
4 „	·782	- ·018
5 „	·778	- ·022
6 „	·774	- ·026
7 „	·785	- ·015
8 „	·791	- ·009
9 „	·798	·006
10 „	·796	- ·004
11 „	·799	- ·001
Noon.	·796	- ·004
1 P. M.	·805	·005
2 „	·812	·012
3 „	·817	·017
4 „	·818	·018
5 „	·816	·016
6 „	·813	·013
7 „	·815	·015
8 „	·816	·016
9 „	·814	·014
10 „	·804	·004
11 „	·800	·000

FOR DAY AND NIGHT.

	in.
Mean of { 6, 7, 8, 9, 10, 11 P. M. / Midnt. 1, 2, 3, 4, 5 A. M. } or Night..	0·800
Mean of { 6, 7, 8, 9, 10, 11 A. M. / Noon, 1, 2, 3, 4, 5 P. M. } or Day	0·800
Mean Annual	0·800

TIMES OF MEAN MAXIMUM AND MINIMUM.

A minimum at 6 A. M.
A maximum at 4 P. M.

TABLE LVII.—*Showing, for the Year* 1860, *the Hours of Bombay Civil Time at which the Mean Pressure of Moisture, in each Month, was at its Maximum and Minimum.*

Months, 1860.	The Mean Hourly Pressure of Moisture.		Mean Diurnal Range.	The Time at which the Mean Hourly Pressure of Moisture was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
	in.	in.	in.	H.	H.
January	0·625	0·496	0·129	5 P. M.	6 A. M.
February	·705	·617	·088	3 „	6 „
March	·765	·708	·057	9 „	6 „
April	·852	·806	·046	2 „	5 „
May	·898	·877	·021	7 „	4 „
June	·982	·933	·049	11 A. M.	3 „
July	·976	·923	·053	1 P. M.	6 „
August	·924	·875	·049	2 „	3 „
September	·924	·872	·052	11 A. M.	3 „
October	·957	·901	·056	9 „	11 P. M.
November	·730	·579	·151	8 P. M.	Noon.
December.....	·736	·603	·133	7 „	„

HUMIDITY OF AIR.

TABLE LVIII.—*Showing, for each Month, the Mean Humidity of Air, and its Periodic Changes from the Mean of the Year.*

Months, 1860.	Mean Humidity of Air.	Difference from the Mean of the Year.	FOR SEASONS.	
January	0·72	−0·07	Mean of { Jan., Feb., March, Oct., Nov., Dec. } or Winter.....	0·74
February	·75	− ·04		
March	·76	− ·03		
April.....	·79	− ·00	Mean of { April, May, June, July, Aug., Sept. } or Summer....	0·84
May.....	.76	− ·03		
June.....	·84	·05		
July.....	·92	·13	Mean of the Year.....	0·79
August.....	·87	·08		
September	·86	·07	Greatest Monthly Mean in July	0·92
October	·84	·05	Least Monthly Mean in November	0·68
November	·68	− ·11		
December.....	·72	− ·07	Difference....	0·24

TABLE LIX.—*Mean Humidity of Air, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1860.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	0.82	0.82	0.85	0.86	0.83	0.90	0.94	0.90	0.90	0.90	0.78	0.82
1 A. M.	.82	.84	.85	.87	.84	.90	.95	.90	.89	.91	.78	.83
2 „	.82	.85	.85	.87	.84	.90	.95	.90	.90	.91	.80	.83
3 „	.81	.84	.86	.87	.84	.89	.95	.90	.90	.91	.80	.82
4 „	.81	.83	.86	.88	.85	.90	.95	.91	.90	.92	.79	.82
5 „	.80	.84	.87	.88	.85	.91	.95	.92	.92	.92	.79	.82
6 „	.78	.84	.87	.89	.85	.91	.94	.92	.92	.92	.77	.82
7 „	.79	.84	.84	.85	.79	.89	.94	.92	.91	.91	.76	.82
8 „	.74	.78	.76	.79	.75	.85	.93	.90	.89	.88	.71	.76
9 „	.68	.71	.71	.75	.73	.83	.91	.87	.87	.85	.65	.70
10 „	.64	.67	.67	.73	.69	.80	.90	.84	.84	.81	.60	.65
11 „	.61	.64	.66	.71	.67	.79	.89	.83	.83	.78	.54	.61
Noon.	.57	.63	.65	.69	.66	.78	.88	.81	.80	.74	.49	.53
1 P. M.	.57	.64	.64	.69	.65	.76	.88	.81	.79	.72	.49	.50
2 „	.58	.66	.63	.69	.65	.77	.88	.81	.77	.71	.50	.52
3 „	.61	.68	.63	.69	.65	.76	.89	.80	.77	.72	.53	.57
4 „	.63	.68	.65	.71	.67	.77	.88	.81	.78	.74	.59	.63
5 „	.70	.70	.68	.74	.70	.80	.89	.83	.82	.76	.66	.71
6 „	.73	.74	.73	.78	.75	.83	.91	.86	.85	.81	.70	.76
7 „	.77	.77	.77	.80	.79	.86	.92	.87	.86	.83	.72	.79
8 „	.77	.79	.79	.82	.80	.87	.92	.88	.88	.85	.76	.80
9 „	.77	.80	.82	.85	.80	.88	.93	.89	.89	.87	.75	.81
10 „	.79	.79	.83	.85	.82	.89	.93	.88	.90	.87	.74	.80
11 „	.81	.80	.83	.86	.83	.89	.93	.89	.90	.88	.76	.81

TABLE LX.—*Excess of the Mean Humidity of Air above the Monthly Mean Value.*

Bombay Civil Time.	MONTHS, 1860.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	0·10	0·07	0.09	0.07	0.07	0·06	0.02	0.03	0·04	0.06	0.10	0.10
1 A. M.	·10	.09	.09	.08	.08	.06	.03	.03	.03	.07	.10	.11
2 „	.10	.10	.09	.08	.08	.06	.03	.03	.04	.07	.12	.11
3 „	.09	.09	.10	.08	.08	.05	.03	.03	.04	.07	.12	.10
4 „	.09	.08	.10	.09	.09	.06	.03	.04	.04	.08	.11	.10
5 „	.08	.09	.11	.09	.09	.07	.03	.05	.06	.08	.11	.10
6 „	.06	.09	.11	.10	.09	·07	·02	.05	.06	.08	.09	.10
7 „	.07	.09	.08	·06	.03	·05	.02	·05	.05	·07	.08	.10
8 „	.02	.03	.00	.00	− .01	.01	.01	.03	.03	.04	.03	.04
9 „	− .04	− .04	− ·05	− .04	− ·03	− .01	− .01	.00	.01	.01	− .03	− .02
10 „	− .08	− .08	− .09	− .06	− .07	− .04	− .02	− .03	− .02	− .03	− .08	− .07
11 „	− .11	− .11	− .10	− .08	− .09	− .05	− 0.3	− .04	− .03	− .06	− .14	− .11
Noon.	− .15	− .12	− .11	− .10	− .10	− ·06	− .04	− .06	− .06	− ·10	− .19	− .19
1 P. M.	− .15	− .11	− .12	− .10	− .11	− .08	− ·04	− .06	− .07	− .12	− .19	− .22
2 „	− .14	− .09	− .13	− .10	− .11	− .07	− .04	− .06	− .09	− .13	− .18	− .20
3 „	− ·11	− .07	− .13	− .10	− .11	− .08	− ·03	− .07	− .09	− .12	− .15	− .15
4 „	− .09	− .07	− .11	− ·08	− .09	− .07	− .04	− ·06	− .08	− ·10	− .09	− .09
5 „	− .02	− .05	− .08	− .05	− .06	− .04	− .03	− .04	− .04	− .08	− .02	− .01
6 „	.01	− .01	− .03	− .01	− .01	− .01	− .01	− .01	− .01	− .03	.02	.04
7 „	.05	.02	.01	.01	.03	.02	.00	.00	.00	− ·01	.04	.07
8 „	.05	.04	.03	.03	.04	.03	.00	.01	.02	.01	.08	.08
9 „	.05	·05	.06	.06	.04	.04	.01	.02	.03	.03	.07	.09
10 „	.07	.04	.07	.06	.06	.05	.01	.01	.04	.03	.06	.08
11 „	.0	·05	.07	.07	.07	.05	.01	.02	.04	.04	·08	.09

TABLE LXI.—*Showing, for the Year* 1860, *the Mean Humidity of Air for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean of the Year.*

Bombay Civil Time.	Mean Humidity of Air.	Difference from the Mean of the Whole.	FOR DAY AND NIGHT.
Midnight.	0·86	0·07	
1 A. M.	·86	·07	
2 „	·87	·08	
3 „	·87	·08	
4 „	·87	·08	
5 „	·87	·08	Mean of {6, 7, 8, 9, 10, 11 P. M. / Mid. 1, 2, 3, 4, 5 A. M.} or Night .... 0·85
6 „	·87	·08	
7 „	·85	·06	
8 „	·81	·02	Mean of {6, 7, 8, 9, 10, 11 A. M. / Noon, 1, 2, 3, 4, 5 P. M.} or Day ..... 0·74
9 „	·77	− ·02	
10 „	·74	− ·05	Mean Annual ..... 0·79
11 „	·71	− ·08	
Noon.	·69	− ·10	
1 P. M.	·67	− ·12	
2 „	·68	− ·11	
3 „	·69	− ·10	TIMES OF MEAN MAXIMUM AND MINIMUM.
4 „	·71	− ·08	
5 „	·75	− ·04	A maximum at about 5 A. M.
6 „	·79	·00	A minimum at 1 P. M.
7 „	·81	·02	
8 „	·83	·04	
9 „	·84	·05	
10 „	·84	·05	
11 „	·85	·06	

TABLE LXII.—*Showing, for the Year* 1860, *the Hours of Bombay Civil Time at which the Mean Humidity of Air, in each Month, was at its Maximum and Minimum.*

Months, 1860.	The Mean Hourly Humidity of Air.		Mean Diurnal Range.	The Time at which the Mean Hourly Humidity of Air was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
				H.	H.
January	0·82	0·57	0·25	2 A. M.	1 P. M.
February	·85	·63	·22	2 „	Noon.
March	·87	·63	·24	5 „	2 P. M.
April	·89	·69	·20	6 „	1 „
May	·85	·65	·20	5 „	2 „
June	·91	·76	·15	5 „	1 „
July	·95	·88	·07	5 „	1 „
August	·92	·80	·12	6 „	3 „
September	·92	·77	·15	6 „	3 „
October	·92	·71	·21	6 „	2 „
November	·80	·49	·31	3 „	1 „
December	·83	·50	·33	2 „	1 „

PRESSURE OF DRY AIR.

TABLE LXIII.—*Showing, for each Month, the Mean Pressure of supposed Dry Air; and its Periodic Changes from the Mean of the Year.*

Months, 1860.	Mean Pressure of supposed Dry Air.	Difference from the Mean of the year.	FOR SEASONS.	
	in.	in.		in.
January	29·391	0·387	Mean of { Jan. Feb. March, Oct. Nov. Dec. } or Winter....	29·188
February	·221	·217		
March	·108	·104		
April	28·993	− ·011	Mean of { April, May, June, July, Aug. Sept. } or Summer....	28·820
May	·877	− ·127		
June	·694	− ·310		
July	·683	− ·321	Mean of the Year.....	29·004
August	·832	− ·172		
September	·842	− ·162	Greatest Monthly Mean in January.....	29·391
October	·887	− ·117	Least Monthly Mean in July.....	28·683
November.....	29·268	·264		
December.....	·251	·247	Difference..	0·708

TABLE LXIV.—*Mean Pressure of supposed Dry Air, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1860.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Midnight.	29.385	29.245	29.094	28.996	28·879	28·703	28·694	28·854	28·857	28·893	29·253	29·239
1 A. M.	·379	.217	.093	.982	·858	.697	.672	.833	.856	.872	.252	.235
2 „	.377	.209	.088	.979	.853	.690	.668	.825	.840	.870	.231	.241
3 „	.380	.205	.085	.976	·858	.694	.664	.819	.839	.869	·237	.249
4 „	.394	.220	·085	.987	.865	.697	.661	.818	.841	.873	.256	.259
5 „	.418	.232	.113	29.013	.868	.698	.677	.819	·845	.895	.273	.273
6 „	.456	.256	·140	·031	.888	.711	.704	.830	·856	.916	.310	.291
7 „	.475	.275	.157	.038	.913	.718	.704	.840	.855	.914	.331	.299
8 „	.475	.282	.185	.044	.927	.725	.715	.858	.854	.922	.348	.324
9 „	.496	.320	.184	.053	.934	.721	.704	.857	.854	.910	.374	.331
10 „	·501	.322	.192	.049	.937	.714	.697	.868	.855	.912	.373	.336
11 „	.470	.298	.156	.033	.926	.698	.694	.849	.843	.896	.366	.318
Noon.	.437	.253	.126	.006	.912	.689	.684	.837	.831	.885	·356	.318
1 P. M.	.379	.188	.098	28.971	.878	.689	·661	.808	.813	.856	.290	.287
2 „	.336	.138	.071	.946	·857	·668	.652	.789	.797	.830	·247	.247
3 „	.295	.118	.060	·931	.836	·661	·638	.793	.794	.810	.210	.200
4 „	.285	.125	.058	.952	·825	.651	.637	.795	·802	.822	.185	.168
5 „	.287	.139	.055	.951	.828	·644	.652	.797	.810	.859	.177	.163
6 „	.311	.169	.067	·962	.834	.666	.673	.808	.827	.844	.177	.156
7 „	.326	·190	.080	.978	.842	.680	.696	.829	.851	.904	.195	.172
8 „	.357	·202	.091	.993	.860	·696	·704	.846	.865	.916	.193	.191
9 „	.379	.220	.095	.994	.884	·707	·712	.862	.870	.923	.241	.212
10 „	.394	.246	.099	29.007	.888	·704	.720	.873	.874	.924	.289	.249
11 „	.401	.246	.101	.004	.881	.707	.713	.862	.862	.923	.279	.250

TABLE LXV.—*Excess of Mean Hourly Pressure of supposed Dry Air above Monthly Mean.*

Bombay Civil Time.	MONTHS, 1860.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Midnight.	-0.006	0.024	-0.014	0.003	0.002	0.009	0.011	0.022	0.015	0.006	-0.015	-0.012
1 A. M.	- .012	- .004	- ·015	- .011	- .019	.003	- ·011	.001	·014	- .015	- ·016	- .016
2 „	- .014	- .012	- ·020	- .014	- .024	- ·004	- .015	- .007	- ·002	- .017	- .037	- .010
3 „	- .011	- .016	- ·023	- .017	- .019	·000	- .019	- .013	- .003	- .018	- .031	- .002
4 „	.003	- ·001	- .023	- .006	- ·012	.003	- .022	- .014	- .001	- ·014	- .012	·008
5 „	.027	.011	.005	.020	- ·009	.004	- .006	- .013	.003	.008	.005	.022
6 „	.065	.035	·032	.038	·011	.017	.021	- .002	.014	.029	.042	.040
7 „	.084	.054	.049	.045	·036	.024	·021	.003	.013	.027	.063	.048
8 „	.084	.061	.077	·051	·050	·031	.032	.026	.012	.035	.030	.073
9 „	.105	.099	.076	.060	·057	·027	·021	.025	.012	.023	·106	.080
10 „	.110	.101	·084	.056	·060	.020	·014	.036	·013	.025	.105	.085
11 „	·079	.077	.048	.040	·049	.004	.011	.017	.001	.009	.098	.067
Noon.	.046	.032	.018	.013	.035	- .005	.001	.005	- .011	- .002	.088	.067
1 P.M.	- .012	- .033	- .010	- .022	·001	- ·005	- .022	- .024	- .029	- .031	.022	.036
2 „	- .055	- ·083	- .037	- .047	- ·020	- .026	- ·031	- .043	- .045	- .057	- .021	- .004
3 „	- .096	- .103	- .048	- .062	- ·041	- ·033	- .045	- ·039	- .048	- .077	- .058	- .051
4 „	- ·106	- .096	- .050	- .041	- ·052	- ·043	- .046	- .037	- ·040	- .065	- .083	- .083
5 „	- .104	- .082	- .053	- .042	- ·049	- .050	- .031	- .035	- .032	- .028	- .091	- .088
6 „	- .080	- .052	- .041	- .031	- .043	- .028	- .010	- .024	- .015	- .003	- .091	- .095
7 „	- .065	- .031	- .028	- ·015	- ·035	- .014	·013	- .003	.009	.017	- .073	- .079
8 „	- .034	- .019	- .017	.000	- ·017	.002	.021	.014	.023	.029	- .075	- .060
9 „	- .012	- .001	- ·013	.001	·007	.013	·029	.030	.028	.036	- .027	- .039
10 „	.003	.025	- ·009	·014	.011	.010	.037	·041	.032	.037	.021	- .002
11 „	.010	.025	- .007	.011	·004	.013	.030	.030	.020	.036	.011	- .001

TABLE LXVI.—*Showing, for the Year* 1860, *the Mean Pressure of supposed Dry Air for each hour of Bombay Civil Time, and also its Diurnal Changes from the Mean of the Year.*

Bombay Civil Time.	Mean Pressure of supposed Dry Air.	Difference from the Mean of the Whole.	FOR DAY AND NIGHT.
	in.	in.	
Midnight,	29·008	0·004	
1 A. M.	28 996	- ·008	
2 „	·989	- ·015	
3 „	·989	- ·015	
4 „	·997	- ·007	in.
5 „	29 011	·007	Mean of {6, 7, 8, 9, 10, 11 P. M. / Mid. 1, 2, 3, 4, 5 A. M.} or Night .... 28·998
6 „	·033	·029	
7 „	·043	·030	
8 „	·055	·051	Mean of {6, 7, 8, 9, 10, 11 A. M. / Noon, 1, 2, 3, 4, 5 P. M.} or Day .... 29·010
9 „	·061	·057	
10 „	·063	·059	
11 „	·046	·012	Mean Annual ..... 29·004
Noon.	·036	·032	
1 P. M.	28·994	- ·010	
2 „	·965	- ·039	
3 „	·946	- ·058	TIMES OF MEAN MAXIMUM AND MINIMUM.
4 „	·940	- ·064	
5 „	·945	- ·059	A Minimum at about 2 A. M.
6 „	·961	- ·043	A Maximum at 10 A. M.
7 „	·977	- ·027	A Minimum at 4 P. M.
8 „	·993	- ·011	A Maximum at 10 „
9 „	29·008	·004	
10 „	·022	·018	
11 „	·019	·015	

TABLE LXVII.—*Showing, for the Year* 1860, *the Hours of Bombay Civil Time, at which the Mean Pressure of supposed Dry Air, in each Month, was at its Maximum and Minimum.*

Months, 1860.	The Mean Hourly Pressure of supposed Dry Air.				Mean Diurnal Range.	The Time at which the Mean Hourly Pressure of supposed Dry Air was at its			
	Morning.		Evening.			Morning.		Evening.	
	Minimum.	Maximum.	Minimum.	Maximum.		Minimum.	Maximum.	Minimum.	Maximum.
	in.	in.	in.	in.	in.	H.	H.	H.	H.
January	29·377	29·501	29·285	29·401	0·216	2 A. M.	10 A. M.	4 P. M.	11 P. M.
February	·205	·322	·118	·246	·202	3 ,,	10 ,,	3 ,,	11 ,,
March	·085	·192	·055	·101	·137	4 ,,	10 ,,	5 ,,	11 ,,
April	28·976	·053	28·931	·007	·122	3 ,,	9 ,,	3 ,,	10 ,,
May	·853	28·937	·825	28.888	·112	2 ,,	10 ,,	4 ,,	10 ,,
June	·690	·725	·644	·707	·081	2 ,,	8 ,,	5 ,,	11 ,,
July	·661	·715	·637	·720	·083	4 ,,	8 ,,	4 ,,	10 ,,
August	·818	·868	·789	·873	·084	4 ,,	10 ,,	2 ,,	10 ,,
September	·839	·856	·794	·874	·080	3 ,,	6 ,,	3 ,,	10 ,,
October	·869	·922	·810	·924	·114	3 ,,	8 ,,	3 ,,	10 ,,
November	29·231	29·374	29·177	29·289	·197	2 ,,	9 ,,	5 ,,	10 ,,
December	·235	·336	·156	·250	·180	1 ,,	10 ,,	6 ,,	11 ,,

WEIGHT OF COMMON AIR.

TABLE LXVIII.—*Showing, for each Month, the Mean Weight in Grains of a Cubic Foot of Common Air; and its Periodic Changes from the Mean of the Year.*

Months, 1860.	Mean Weight of a Cubic Foot of Air.	Difference from the Mean of the Year.
	grs.	grs.
January	513	12
February	508	7
March	503	2
April	499	− 2
May	493	− 8
June	493	− 8
July	496	− 5
August	497	− 4
September	498	− 3
October	497	− 4
November	505	4
December	507	6

FOR SEASONS.

	grs.
Mean of { Jan., Feb., March, Oct., Nov., Dec. } or Winter	505
Mean of { April, May, June, July, Aug., Sept. } or Summer	496
Mean of the Year	501
Greatest Monthly Mean in January	513
Least Monthly Mean in May & June	493
Difference	20

TABLE LXIX.—*Mean Weight in Grains of a Cubic Foot of Common Air, in each Month, for each hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1860.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.
Midnight.	517	511	507	503	497	495	497	501	501	499	509	510
1 A. M.	517	511	507	502	497	496	496	500	501	500	510	510
2 „	518	511	506	504	497	496	496	500	500	500	510	511
3 „	517	511	507	504	498	495	496	500	500	500	510	511
4 „	518	513	508	504	498	496	496	500	500	500	511	511
5 „	519	513	509	505	498	496	496	500	500	500	511	512
6 „	520	514	509	506	498	496	498	500	501	502	511	512
7 „	520	515	508	503	496	495	497	501	501	500	511	513
7 „	518	511	506	499	494	494	496	499	498	499	509	510
9 „	514	509	502	498	492	492	495	498	497	497	508	509
10 „	512	507	500	496	491	491	495	497	496	495	503	505
11 „	510	504	499	494	490	490	494	496	495	494	500	502
Noon.	507	502	497	494	490	489	494	496	495	491	496	499
1 P. M.	503	500	495	492	488	488	494	495	493	491	494	495
2 „	502	499	494	492	488	489	493	494	492	499	493	495
3 „	502	499	494	493	487	488	493	494	492	499	494	495
4 „	504	499	494	492	488	488	493	495	494	491	495	498
5 „	507	502	497	495	489	489	494	496	495	493	499	501
6 „	510	506	500	498	491	492	495	497	497	496	502	504
7 „	512	507	502	499	495	494	495	498	497	497	502	506
8 „	512	509	503	499	495	494	497	498	499	499	504	507
9 „	513	509	505	501	496	494	497	499	499	499	508	509
10 „	515	510	506	501	497	494	497	499	499	497	509	510
11 „	516	511	506	501	496	495	497	499	501	497	509	509

TABLE LXX.—*Showing, for the Year* 1860, *the Mean Weight in Grains of a Cubic Foot of Common Air, for each hour of Bombay Civil Time; and also its Diurnal Changes from the Mean of the Year.*

Bombay Civil Time.	Mean Weight of a Cubic Foot of Common Air.	Difference from the Mean of the Whole.
	grs.	grs.
Midnight.	504	3
1 A. M.	504	3
2 „	504	3
3 „	504	3
4 „	505	4
5 „	505	4
6 „	506	5
7 „	505	4
8 „	503	2
9 „	501	0
10 „	499	− 2
11 „	497	− 4
Noon.	496	− 5
1 P. M.	494	− 7
2 „	494	− 7
3 „	494	− 7
4 „	494	− 7
5 „	497	− 4
6 „	499	− 2
7 „	500	− 1
8 „	501	0
9 „	502	1
10 „	503	2
11 „	503	2

FOR DAY AND NIGHT.

Mean of { 6, 7, 8, 9, 10, 11 P. M. / Mid. 1, 2, 3, 4, 5 A. M. } or Night..... grs. 503

Mean of { 6, 7, 8, 9, 10, 11 A. M. / Noon, 1, 2 3, 4, 5 P. M. } or Day 498

Mean Annual..... 501

TIMES OF MEAN MAXIMUM AND MINIMUM.

A Maximum at 6 A. M.
A Minimum at about 1 P. M.

TABLE LXXI.—*Showing, for the Year* 1860, *the Hours of Bombay Civil Time at which the Mean Weight in Grains of a Cubic Foot of Common Air, in each Month, was at its Maximum and Minimum.*

Months, 1860.	The Mean Hourly Weight in Grains of a Cubic Foot of Air.		Mean Diurnal Range.	The Time at which the Mean Weight of a Cubic Foot of Air was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
	grs.	grs.	grs.	H.	H.
January	520	502	18	7 A. M.	3 P. M.
February.....	515	499	16	7 ,,	3 ,,
March	509	494	15	6 ,,	3 ,,
April	506	492	14	6 ,,	2 ,,
May.....	498	487	11	6 ,,	3 ,,
June.....	496	488	8	uncertain.	3 ,,
July.....	498	493	5	6 A. M.	3 ,,
August.....	501	494	7	7 ,,	3 ,,
September	501	492	9	7 ,,	3 ,,
October	502	491	11	6 ,,	4 ,,
November	511	493	18	6 ,,	2 ,,
December.....	513	495	18	7 ,,	2 ,,

VAPOUR IN A CUBIC FOOT OF AIR.

TABLE LXXII.—*Showing, for each Month, the Mean Weight in Grains of Vapour in a Cubic Foot of Common Air; and its Periodic Changes from the Mean of the Year.*

Months, 1860.	Mean Weight of Vapour in a Foot of Air.	Difference from the Mean of the Year.	FOR SEASONS.
	grs.	grs.	grs.
January	6·2	− 2·4	Mean of {Jan. Feb. March, / Oct. Nov. Dec.} or Winter 7.6
February.....	7.2	− 1·4	
March	7·9	− 0·7	
April	8·9	0·3	Mean of {April, May, June, / July, Aug. Sept.} or Summer .... 9·6
May.....	9.5	0·9	
June.....	10·3	1·7	Mean of the Year..... 8·6
July.....	10·2	1·6	
August.....	9·5	0·9	
September	9·6	1·0	Greatest Monthly Mean in June ..... 10·3
October	9·9	1·3	Least Monthly Mean in January ..... 6·2
November	7·1	− 1·5	
December.....	7·3	− 1·3	Difference ..... 4·1

TABLE LXXIII.—*Mean Weight in Grains of Vapour in a Cubic Foot of Common Air; in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1860.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.
Midnight.	6.4	7.0	8.1	8.9	9.5	10.4	10.2	9.5	9.5	9.8	7.2	7.4
1 A. M.	6.2	7.2	8.1	8.9	9.5	10.1	10.2	9.5	9.5	9.8	7.2	7.4
2 „	6.2	7.2	7.9	8.9	9.5	10.1	10.2	9.5	9.5	9.8	7.2	7.4
3 „	6.0	7.0	7.9	8.9	9.5	10.1	10.2	9.5	9.5	9.9	7.2	7.2
4 „	5.8	7.0	7.9	8.9	9.5	10.1	10.2	9.5	9.5	9.9	7.0	7.0
5 „	5.8	6.8	7.9	8.7	9.5	10.1	10.2	9.6	9.6	9.9	7.0	7.0
6 „	5.4	6.8	7.7	8.7	9.5	10.1	9.9	9.6	9.6	9.9	6.8	7.0
7 „	5.6	6.8	7.9	8.9	9.5	10.2	10.2	9.5	9.9	10.2	6.8	7.0
8 „	5.8	7.0	7.7	8.9	9.4	10.4	10.2	9.5	9.8	10.1	6.8	7.0
9 „	5.8	6.8	7.8	8.8	9.4	10.4	10.4	9.8	10.1	10.4	6.7	7.2
10 „	5.8	6.8	7.8	8.8	9.4	10.4	10.4	9.8	9.8	10.1	6.7	6.9
11 „	5.9	6.9	7.8	9.1	9.4	10.4	10.4	9.8	10.1	10.1	6.5	6.9
Noon.	5.9	7.6	8.0	9.1	9.4	10.3	10.4	9.8	9.8	10.0	6.3	6.5
1 P. M.	6.1	7.3	8.0	9.1	9.4	10.3	10.4	9.8	9.8	10.0	6.7	6.7
2 „	6.3	7.6	8.0	9.1	9.3	10.3	10.4	10.1	9.8	10.0	6.9	6.9
3 „	6.7	7.6	8.0	9.1	9.4	10.3	10.4	9.8	9.8	10.0	7.1	7.3
4 „	6.7	7.6	7.8	9.1	9.4	10.3	10.4	9.8	9.5	10.0	7.3	7.6
5 „	6.8	7.3	8.0	8.8	9.4	10.4	10.1	9.5	9.5	9.7	7.6	7.8
6 „	6.8	7.4	8.1	8.9	9.4	10.4	10.1	9.5	9.5	9.8	7.6	7.9
7 „	6.8	7.2	8.1	8.9	9.8	10.4	10.2	9.5	9.5	9.8	7.8	7.9
8 „	6.6	7.4	8.1	8.9	9.8	10.4	10.2	9.5	9.5	9.8	7.9	7.9
9 „	6.6	7.4	8.4	9.2	9.5	10.4	10.2	9.5	9.5	9.8	7.7	7.9
10 „	6.4	7.2	8.4	9.2	9.8	10.4	10.2	9.5	9.5	9.8	7.2	7.4
11 „	6.2	7.0	8.1	8.9	9.8	10.4	10.2	9.5	9.5	9.8	7.2	7.4

TABLE LXXIV.—*Showing, for the Year* 1860, *the Mean Weight in Grains of Vapour in a Cubic Foot of Common Air, for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean of the Year.*

Bombay Civil Time.	Mean Weight of Vapour in a Cubic Foot of Air.	Difference from the Mean of the Whole.
	grs.	grs.
Midnight.	8·7	0·1
1 A. M.	8·6	0·0
2 „	8·6	0·0
3 „	8·6	0·0
4 „	8·5	− 0·1
5 „	8·5	− 0·1
6 „	8·4	− 0·2
7 „	8·5	− 0·1
8 „	8·5	− 0·1
9 „	8·6	0·0
10 „	8·6	0·0
11 „	8·6	0·0
Noon.	8·6	0·0
1 P. M.	8·6	0·0
2 „	8·7	0·1
3 „	8·8	0·2
4 „	8·8	0·2
5 „	8·7	0·1
6 „	8·8	0·2
7 „	8·8	0·2
8 „	8·8	0·2
9 „	8·8	0·2
10 „	8·7	0·1
11 „	2·7	0·1

FOR DAY AND NIGHT.

	grs.
Mean of {6, 7, 8, 9, 10, 11 P. M. / Mid. 1, 2, 3, 4, 5 A. M.} or Night	8·7
Mean of {6, 7, 8, 9, 10, 11 A. M. / Noon, 1, 2, 3, 4, 5 P. M.} or Day	8·6
Mean Annual..	8·6

TIMES OF MEAN MAXIMUM AND MINIMUM.

A minimum at 6 A. M.
A maximum at about 3 P. M.

TABLE LXXV.—*Showing, for the Year* 1860, *the hours of Bombay Civil Time at which the Mean Weight of Vapour in a Cubic Foot of Common Air, in each Month, was at its Maximum and Minimum.*

Months. 1860.	The Mean Hourly Weight of Vapour in a Cubic Foot of Air.		Mean Diurnal Range.	The Time at which the Mean Hourly Weight of Vapour in a Cubic Foot of Air was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
	grs.	grs.	grs.	H.	H.
January	6·8	5·4	1·4	6 P. M.	6 A. M.
February	7·6	6·8	0·8	3 „	6 „
March	8·4	7·7	0·7	9 „	6 „
April	9·2	8·7	0·5	9 „	6 „
May	9·8	9·3	0·5	7 „	2 P. M.
June	10·4	10·1	0·3	Uncertain.	Uncertain.
July	10·4	9·9	0·5	„	6 A. M.
August	10·1	9·5	0·6	2 P. M.	Uncertain.
September	10·1	9·5	0·6	11 A. M.	„
October	10·4	9·7	0·7	9 „	5 P. M.
November	7·9	6·3	1·6	8 P. M.	Noon.
December	7·9	6·5	1·4	„	„

VAPOUR REQUIRED FOR COMPLETE SATURATION OF AIR.

TABLE LXXVI.—*Showing, for each Month, the Mean Weight in Grains of Vapour required for complete Saturation of a Cubic Foot of Common Air, and its Periodic Changes from the Mean of the Year.*

Months, 1860.	Mean Weight of Vapour required for complete Saturation.	Difference from the Mean of the Year.	For SEASONS.	
	grs.	grs.		grs.
January	2·4	0·2		
February	2·3	0·1	Mean of {Jan. Feb. March, Oct. Nov. Dec.} or Winter	2·5
March	2·6	0·4		
April	2·4	0·2		
May	3·0	0·8	Mean of {April, May, June, July, Aug. Sept.} or Summer	1·9
June	1·9	- 0·3		
July	1·9	- 1·3	Mean of the year	2·2
August	1·5	- 0·7		
September	1·6	- 0·6	Greatest Monthly Mean in November	3·3
October	1·9	- 0·3	Least Monthly Mean in July	0·9
November	3·3	1·1		
December	2·7	0·5	Difference	2·4

TABLE LXXVII.—*Mean Weight in Grains of Vapour required for complete Saturation of a Cubic Foot of Common Air, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1860.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.
Midnight.	1.4	1.8	1.5	1·6	2.0	1.1	0.6	1.0	1.0	1.3	2.1	1.6
1 A. M.	1.6	1.3	1·5	1.6	2·0	1.0	0·6	1.0	1.0	1.0	1.8	1.6
2 „	1.3	1.3	1.7	1.3	2.0	1.0	0.6	1.0	1.0	1.0	1.8	1.4
3 „	1.5	1.5	1.4	1.3	1.6	1.0	0.6	1.0	1.0	0.9	1.8	1.6
4 „	1.5	1.2	1.1	1.3	1.6	1.0	0.6	1.0	1.0	0.9	1.8	1.8
5 „	1.5	1.4	1.1	1.2	1.6	1.0	0.6	0.9	0.9	0·9	1.8	1.5
6 „	1.7	1.2	1.3	1.2	1.6	1.0	0.6	0.9	0.9	0.6	2·0	1.5
7 „	1·5	1.2	1·4	1.6	2.7	1·3	0.6	1·0	0.6	1.9	2.2	1.5
8 „	2·0	1.8	2.5	2.6	3.1	1.4	0.9	1.3	1.3	1·4	2.8	2.3
9 „	2.7	2.8	3.0	3.4	3.9	2.1	1·1	1.3	1.4	1.8	3.5	2.7
10 „	3.2	3.4	3.7	2.7	4.3	2.5	1 1	1.7	2·0	2.4	4.4	3·6
11 „	3.7	3.6	4.0	3.8	4.7	2.9	1.4	2.0	2.1	2.8	5·3	4.3
Noon.	4.3	3.2	4.2	3.8	4.7	3.0	1.4	2.0	2.4	3·7	6.6	5.7
1 P. M.	4.7	3.8	4.5	4·2	4.1	3.4	1.4	2.4	2.7	3.7	6.6	5.2
2 „	4.5	3.9	4.5	4·2	5.2	3.0	1.4	2.1	2.7	4.1	6.4	6.0
3 „	4.1	3.5	4·5	3.8·	5.1	3·0	1.4	2.4	2.7	4·1	5.8	5.2
4 „	3.8	3.5	4.7	3.8	4.7	3.0	1.4	2.0	2.7	3.3	5.2	4.2
5 „	3.1	3.2	3.8	3.4	4.3	2.5	1·4	2.0	2.3	3.2	3 9	3.0
6 „	2.2	2·5	2.7	2.6	3.5	1.8	1.0	1.6	1.6	2.4	3.2	2.6
7 „	2.0	2.4	2.4	2.2	2.4	1·4	0.9	1.3	1.6	2.0	3.0	2.3
8 „	2.2	1.9	2.4	2.2	2.4	1.4	0.6	1.3	1.3	1·7	2.6	2.0
9 „	1·9	1.9	1.8	1.6	2.3	1.4	0.6	1.3	1.3	1.7	2.2	1.7
10 „	1.8	1·8	1.5	1.6	2.0	1.4	0.6	1.3	1.3	1.3	2.4	1.9
11 „	1.8	1.8	1.8	1.6	2.0	1.1	0.6	1.3	1.0	1.3	2.1	1.9

TABLE LXXVIII.—*Showing, for the Year* 1860, *the Mean Weight of Vapour required for Complete Saturation of a Cubic Foot of Common Air, for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean of the Year.*

Bombay Civil Time.	Mean Weight of Vapour required for Complete Saturation.	Difference from the Mean of the Whole.
	grs.	grs.
Midnight.	1·4	− 0.8
1 A. M.	1·3	− 0·9
2 „	1·3	− 0·9
3 „	1·3	− 0·9
4 „	1·2	− 1·0
5 „	1·2	− 1·0
6 „	1·2	− 1·0
7 „	1·5	− 0·7
8 „	1·9	− 0·3
9 „	2·5	0·3
10 „	3·0	0·8
11 „	3·4	1·2
Noon.	3·7	1·5
1 P. M.	3·9	1·7
2 „	4·0	1·8
3 „	3·8	1·6
4 „	3·5	1·3
5 „	3·0	0·8
6 „	2·3	0·1
7 „	2·0	− 0·2
8 „	1·8	− 0·4
9 „	1·6	− 0·6
10 „	1·6	− 0·6
11 „	1·5	− 0·7

FOR DAY AND NIGHT.

	grs.
Mean of {6, 7, 8, 9, 10, 11 P. M. / Midnt. 1, 2, 3, 4, 5 A. M.} or Night....	1·5
Mean of {6, 7, 8, 9, 10, 11 A. M. / Noon, 1, 2, 3, 4, 5 P. M.} or Day.....	2·9
Mean Annual.....	2·2

TIMES OF MEAN MAXIMUM AND MINIMUM.

A minimum at about 5 A. M.
A maximum at 2 P. M.

TABLE LXXIX.—*Showing, for the Year* 1860, *the Hours of Bombay Civil Time, at which the Mean Weight in Grains of Vapour required for complete Saturation of a Cubic Foot of Common Air, in each Month, was at its Maximum and Minimum.*

Months, 1860.	The Mean Hourly Weight of Vapour required for complete Saturation.		Mean Diurnal Range.	The Time at which the Mean Hourly Weight of Vapour required for Saturation was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
	grs.	grs.	grs.	H.	H.
January	4·7	1·3	3·4	1 P. M.	2 A. M.
February	3·9	1·2	2·7	2 ,,	Uncertain.
March	4·7	1·1	3·6	4 ,,	4 & 5 A. M.
April	4·2	1·2	3·0	2 ,,	5 & 6 ,,
May	5·2	1·6	3·6	2 ,,	Uncertain.
June	3·4	1·0	2·4	1 ,,	,,
July	1·4	0·6	0·8	Uncertain,	,,
August	2·4	0·9	1·5	1 & 3 P. M,	5 & 6 A. M.
September	2·7	0·6	2·1	3 P. M.	7 A. M.
October	4·1	0·6	3·5	2 & 3 P. M.	5 ,,
November	6·6	1·8	4·8	Noon & 1 P. M.	Uncertain.
December	6·0	1·4	4·6	2 P. M.	2 A. M.

EVAPORATED VAPOUR.

TABLE LXXX.—*Showing, for each Month, the Quantity of Water actually Evaporated in the Air; and its Periodic Changes from the Mean of the Year.*

Months, 1860.	Quantity of Water Evaporated in the Air.	FOR SEASONS.
	in.	in.
January	6·922	Mean of {Jan. Feb. March, Oct. Nov. Dec.} or winter ..... 44·102
February	6·245	
March	7·528	
April	6·595	Mean of {Apr. May, June, July, Aug. Sept.} or Summer .... 32·190
May	8·890	
June	5·379	
July	2·719	Total quantity of water evaporated in the Year 76·292
August	4·136	
September	4·471	Greatest Monthly evaporation in November .. 9·705
Otober	5·746	Least Monthly evaporation in July ..... 2·719
November	9·705	
December	7·956	Difference..... 6·986

TABLE LXXXI.—*Mean Quantity of Water Evaporated in the Atmospheric Air, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1860.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Midnight.	0.005	0.006	0.006	0.006	0.008	0.004	0.002	0.004	0.004	0.004	0.008	0.006
1 A. M.	.005	.005	.006	.005	.007	.004	.002	.004	.004	.004	.008	.006
2 ,,	.005	.005	.005	.005	.007	.004	.002	.004	.004	.004	.007	.006
3 ,,	.005	.005	.005	.005	.007	.005	.002	.004	.004	.004	.007	.006
4 ,,	.005	.005	.005	.005	.007	.004	.002	.004	.004	.004	.007	.006
5 ,,	.006	.005	.004	.004	.006	.004	.002	.003	.003	.003	.007	.006
6 ,,	.006	.005	.004	.004	.006	.004	.003	.003	.003	.003	.007	.006
7 ,,	.006	.005	.006	.006	.010	.005	.002	.003	.004	.004	.008	.006
8 ,,	.008	.007	.009	.009	.012	.007	.004	.004	.005	.006	.011	.009
9 ,,	.010	.011	.012	.012	.014	.008	.004	.006	.006	.007	.014	.011
10 ,,	.012	.013	.014	.013	.017	.010	.005	.007	.007	.009	.017	.014
11 ,,	.014	.015	.016	.014	.018	.011	.005	.008	.008	.011	.021	.017
Noon.	.017	.015	.016	.015	.019	.012	.006	.009	.010	.014	.026	.022
1 P. M.	.018	.016	.017	.016	.020	.013	.006	.009	.010	.015	.027	.025
2 ,,	.018	.015	.018	.016	.020	.012	.006	.009	.011	.016	.026	.024
3 ,,	.016	.014	.018	.016	.020	.012	.005	.010	.011	.015	.024	.021
4 ,,	.015	.014	.017	.014	.019	.012	.005	.009	.010	.014	.020	.017
5 ,,	.012	.012	.015	.012	.016	.010	.005	.008	.008	.012	.015	.012
6 ,,	.009	.010	.011	.010	.013	.008	.004	.006	.007	.009	.013	.010
7 ,,	.008	.009	.010	.008	.011	.007	.004	.005	.006	.008	.012	.009
8 ,,	.008	.008	.008	.008	.010	.006	.003	.005	.005	.007	.010	.008
9 ,,	.007	.007	.007	.007	.009	.006	.003	.005	.005	.006	.010	.007
10 ,,	.007	.007	.007	.006	.009	.005	.003	.005	.004	.006	.010	.007
11 ,,	.006	.007	.006	.006	.008	.005	.003	.004	.004	.005	.009	.007

TABLE LXXXII.—*Showing, for the Year* 1860, *the Mean Quantity of Water actually Evaporated in the Atmospheric Air, for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean of the Year.*

Bombay Civil Time.	Mean Quantity of Water Evaporated.	Difference from the Mean of the Whole.
	in.	in.
Midnight.	0·005	−0·004
1 A. M.	·005	− ·004
2 ,,	·005	− ·004
3 ,,	·005	− ·004
4 ,,	·005	− ·004
5 ,,	·004	− ·005
6 ,,	·004	− ·005
7 ,,	·005	− ·004
8 ,,	·008	− ·001
9 ,,	·010	·001
10 ,,	·012	·003
11 ,,	·013	·004
Noon.	·015	·006
1 P. M.	·016	·007
2 ,,	·016	·007
3 ,,	·015	·006
4 ,,	·014	·005
5 ,,	·012	·003
6 ,,	·009	·000
7 ,,	·008	− ·001
8 ,,	·007	− ·002
9 ,,	·007	− ·002
10 ,,	·006	− ·003
11 ,,	·006	− ·003

FOR DAY AND NIGHT.

Mean of { 6, 7, 8, 9, 10, 11 P. M. / Mid. 1, 2, 3. 4, 5 A. M. } or Night.. in. 0·006

Mean of { 6, 7, 8, 9, 10, 11 A. M. / Noon, 1, 2, 3, 4, 5 P. M. } or Day.... 0·012

Mean..... 0·009

TIMES OF MEAN MAXIMUM AND MINIMUM.

A Minimum between 5 and 6 P. M.
A Maximum between 1 and 2 P. M.

TABLE LXXXIII.—*Showing, for the Year* 1860, *the Hours of Bombay Civil Time, at which the Mean Quantity of Water actually Evaporated in the Air, in each Month, was at its Maximum and Minimum.*

Months, 1860.	The Mean Hourly Quantity of Water Evaporated.		Mean Diurnal Range.	The Time at which the Mean Hourly Quantity of Water Evaporated was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
	in.	in.	in.	H.	H.
January	0·018	0·004	0·014	Between 1 & 2 P. M.	Uncertain.
February	·016	·005	·011	1 P. M.	,,
March	·018	·004	·014	Between 2 & 3 P. M.	Between 5 & 6 P. M.
April	·015	·004	·012	2 P. M.	,, ,,
May	·020	·006	·014	2 ,,	,, ,,
June	·013	·004	·009	1 ,,	Uncertain.
July	·006	·002	·004	1 ,,	7 A. M.
August	·010	·003	·007	3 ,,	6 ,,
September	·011	·003	·008	Between 2 & 3 P. M.	Between 5 & 6 A. M.
October	·016	·003	·013	2 P. M.	,, ,,
November	·027	·007	·020	1 ,,	Uncertain.
December	·025	·006	·019	1 ,,	,,

WIND.

The Direction of Wind was taken from Osler's Self-Registering Anemometer, which is erected on the Western roof of the Astronomical Observatory; and its force was observed on all ordinary occasions by Lynd's Wind Gauge, or by estimation; but any force exceeding two pounds, such as in storms, high gusts, and high winds, was taken from Osler's Gauge.

At Bombay the Wind blows from certain directions, in different seasons of the year; in the rainy season the Wind blows from nearly one direction; but in the dry season, or from November to April, it blows alternately from the sea and land within every twenty-four hours. The months of May and October are what may be called unsteady or debateable months, as during these months the Wind is unsettled, *i. e.*, the direction from which it may blow is uncertain.

Those days in the year on which the Wind quits its usual direction, and blows from points of the compass widely different, are generally indicated by the Barometer being low, cloudy sky, and sometimes by lightning, thunder, and rain. On these days the Wind generally takes large sweeps in the course of a day, and such a day is considered as "abnormal." Sometimes the wind sweeps round the whole of the horizon, and the mean direction for the day could not be deduced therefrom; hence such days are also classed under the list of Abnormal Days. When the Wind veers round as N., E., S., W., it is called a direct circular motion of the Wind; and when it veers round N., W., S., E., it is called a retrograde motion of the Wind.

The following list will show that the Wind seldom veers round by a retrograde motion, though after the setting of the SW. monsoon it has a tendency to turn that way.

The following is a list of Abnormal days on which the Wind has taken unusual sweeps in 1860 :—

JANUARY 17th.—The wind veered round from NNW to NW by direct circular motion of 338 in 4 hours.
„ 18th „ NE to N „ 315 in 1 hour.
„ 19th „ NE b N to S by retrograde motion of 225 instantly.
„ 22nd „ E to N by direct circular motion of 270 in 5 hours.

FEBRUARY 13th.—The wind veered round from NW to NNW by direct circular motion of 382 in 1 hour.
„ 14th „ SSW to W „ 427 in 7 hours.
„ 16th „ NE to NW „ 292 in ¾ hour.
„ 18th „ NE to WNW „ 270 in ½ hour.
„ 26th „ NE to WNW „ 270 instantly.

MARCH 8th.—The wind veered round from NW b N to NNW by a direct circular motion of 382 in 5 hours.
„ 9th.—The wind blew abnormally on this day.
„ 10th.—The wind veered round from W to NNE by a direct circular motion of 112 in 1 hour.
„ 10th „ NE to NW „ 270 in 1 hour.
„ 18th „ N to NW „ 315 in 3 hours.
„ 22nd „ NE to WNW „ 247 instantly.
„ 24th.—The wind blew abnormally between 9 A. M. and noon.
„ 25th.—The wind blew abnormally in the morning.
„ 26th.—The wind blew abnormally between W and SE.

APRIL 2nd.—The wind veered round from N to NW by direct circular motion of 315 in 4 hours.
„ 3rd „ NW b N to NW „ 349 in ¼ hour.
„ 4th.—Abnormal or monsoonish wind blew during the whole of this day.
„ 5th „ „ „
„ 10th „ „ „
„ 11th „ „ „
„ 23rd.—The wind veered round from WNW to NNW by a direct circular motion of 405 in 12 hours.

MAY 1st.—The wind veered round from W to WNW by direct circular motion of 382 in 7 hours.
„ 2nd „ NE to W „ 225 in 2 hours.
„ 11th „ N to NW „ 315 in 4 hours.

JUNE 3rd.—The wind veered round from S to N by retrograde motion of 180 in 6 hours.
„ 10th „ SW to WNW by direct circular motion of 427 in 3 hours.
„ 10th „ S to E „ 270 instantly.
„ 10th „ E to N „ 270 instantly.
„ 11th „ S to NW „ 135 in 5 hours.
„ 12th „ NW to W „ 315 in 12 hours.
„ 21st.—The wind blew abnormally this day.
„ 22nd.—The wind veered round from S to E by direct circular motion of 270 in 2 hours.
„ 23rd „ E to S „ 90 in ¼ hour.
„ 26th „ SW to SW „ 360 instantly.
„ 29th „ W to WNW „ 382 in 4 hours.
„ 30th „ N to W „ 270 in 3 hours.

JULY 1st.—The wind veered round from SSE to SE by direct circular motion of 338 in 3 hours.
„ 1st „ SE to NW „ 180 in 3 hours.
„ 19th „ SW to NW „ 90 in 5 hours.

SEPT. 1st.—Land and sea breezes were blowing on this day.
„ 2nd „ „
„ 28th.—The wind veered round from SW b W to ENE by direct circular motion of 191 in 2 hours.
„ 29th „ ENE to SSE „ 90 instantly.

OCTOBER 1st.—The wind was monsoonish during the whole day.
„ 4th.—The wind blew abnormally during the whole day.
„ 6th.—The wind veered round from NW to W by direct circular motion of 315 instantly.
„ 10th.—The wind blew abnormally during the whole day.
„ 12th.—The wind veered round from WNW to E by direct circular motion of 158 in ¼ hour.
„ 12th „ E b S to SW „ 125 instantly.
„ 13th.—The wind was monsoonish during the whole day.
„ 15th.—The wind shifted and changed, but made a turn round the compass of 585 degrees.
„ 16th.—The wind veered round from E to S b E by direct circular motion of 79 in ⅓ hour.
„ 16th „ S b E to NE „ 236 in ¼ hour.
„ 18th „ N to SW „ 855 in 7 hours.

OCTOBER 19th.—The wind veered round from SW to S by directed circular motion of 315 in 4 hours.
„ 24th „ ENE to NW „ 248 in 2 hours.
„ 25th „ E to NW „ 225 instantly.
„ 26th „ NE to WSW „ 202 instantly.
„ 28th.—The wind blew abnormally during the whole day.

NOVEMBER 3rd.—The wind veered round from NE to NW by direct circular motion of 270° in ½ hour; there were no other sweeps in this month, except the instantaneous shifts which the wind generally took in the afternoon.

DECEMBER 10th.—The wind veered round from NE to NW by direct circular motion of 270° in 2 hours.
„ 16th „ E to W „ of 180 instantly.

The excess of the direct circular motion over the retrograde in each month was as follows:—

	trs. deg.		trs. deg.		trs. deg.		trs. deg.
January.....	3·11	April.....	1·337	July.....	1·45	October.....	12·124
February	4·338	May.....	2·292	August.....	0·90	November.....	0·337
March	4·0	June.....	5·315	September....	0·304	December....	2·23

The total excess of the direct over the retrograde motion of Wind during the year 1860 was 40 rounds and 56 degrees.

The Record of the Force of Wind when the Pressure was above one Pound.

JANUARY 23rd, 24th, 28th, and 30th.—Fresh breezes of Wind from NW in the afternoon; the force of which was about 1 pound.
„ 6th, 7th, 9th, 10th, 14th, 19th, 20th, 25th, 26th, and 27th.—Light breezes of wind in the afternoon; the pressure of which was about 1 pound.

FEBRUARY 19th.—Fresh breezes of wind from NE in the evening; the force of which was about 2 pounds.
„ 2nd, 4th, 10th, 18th, 22nd, 26th, and 28th.—Light breezes of wind in the evening; the pressure of which was about 1 pound.

MARCH 2nd, 3rd, 15th, and 21st.—Fresh breezes of wind from NW in the afternoon; the force of which was above one pound and below 2 pounds.
„ 1st, 13th, 22nd, 23rd, 30th, and 31st.—Light breezes of wind from NW in the evening; the force of which was about 1 pound.

APRIL 11th, 14th, 16th, 17th, 18th, 19th, 20th, 21st, 25th, and 26th.—Fresh breezes of wind from NW in the afternoon; the force of which was between 1 and 3 pounds.

MAY 2nd, 14th, 15th, 19th, and 21st.—Fresh breezes of wind in the afternoon from NW, whose force was about 1 pound.

JUNE 14th.—A high gale of wind at 6½ P. M.: the force of wind was 16 pounds for about 5m.
„ 10th and 22nd.—Squally wind for about ¼ hour: the force of wind was about 5 lbs.
„ 15th.—Occasional squalls from SW, the force of which was about 2 lbs.
„ 14th, 16th, and 26th.—Fresh breezes of wind from SW at about 9½ A. M., the force of which was about 2 or 3 lbs.
„ 27th.—Fresh breezes of wind from W at 4½ P. M., the force of which was about 2 lbs.

JULY 23rd, 24th, 25th, 26th, 27th, 28th, 29th, and 30th.—Monsoon gale from SW, the force of which was general by 2 or 3 lbs., but on certain occasions it was registered about 5½ lbs.
„ 6th, 9th, 11th, 12th, 19th, 20th, and 21st.—Occasional squalls from SW, the force of which was about 2 lbs.
„ 3rd, 15th, 17th, and 18th.—Fresh breezes of wind generally during the day time, the force of which was about 2 or 3 lbs.
„ 10th.—Light breezes of wind in the morning from SW, the force of which was 1 lb.

AUGUST 1st and 8th.—Fresh breezes from W; the maximum pressure of which was about 3 lbs.
„ 5th and 6th.—Light breezes of wind from WSW; the force of which was about 1 lb.
„ 3rd.—High winds from SW; whose force was generally 2 lbs., but sometimes it increased to 4 lbs.
„ 4th.—Steady gales from SW; the force of which was about 2 lbs.
„ 2nd.—Occasional squalls from W; the maximum force of which was about 6 lbs.
„ 7th and 9th.—Occasional squalls from SW; the force of which was generally 2 lbs., but sometimes it increased to 4 lbs.
„ 10th, 11th, 12th, 13th, 14th, 15th, and 17th.—Occasional puffs of wind; the force of which ranged between 1 and 4 lbs.

SEPTEMBER 8th.—Fresh sea breezes from WSW in the morning; the pressure of which was above one pound.

OCTOBER 18th, 25th, and 31st.—Fresh breezes from NW; the force of which was about 1 or 2 lbs.
„ 15th.—Fresh gusts in the evening; the force of which was about 3 or 4 lbs.
„ 16th.—Squally wind between 6h. and 7h. P. M. from E; the maximum force of which was about 16 lbs. at 6h. 47m. P. M.

NOVEMBER 2nd, 3rd, 5th, 6th, 7th, 8th, 13th, 19th, 23rd, 27th, 28th, and 29th.—Fresh breezes of wind from land or sea; the force of which seldom exceeded 2 lbs.

DECEMBER 13th, 18th, 19th, and 24th.—Fresh breezes in the evening from NW; the force of which was 1 or $1\frac{1}{2}$ lbs.

In the following Tables the principal eight directions are made out from 32 Cardinal directions, thus:—

N = N + N b E + N b W + ½ NNE + ½ NNW.
NE = NE + NE b E + NE b W + ½ NNE + ½ ENE.
E = E + E b N + E b S + ½ ENE + ½ ESE.
SE = SE + SE b E + SE b S + ½ SSE + ½ ESE.
S = S + S b E + S b W + ½ SSW + ½ SSE.
SW = SW + SW b W + SW b S + ½ WSW + ½ SSW.
W = W + W b S + W b N + ½ WSW + ½ WNW.
NW = NW + NW b W + NW b N + ½ WNW + ½ NNW.

TABLE LXXXIV.—*Showing the Sums of the Pressures of the Wind for different Directions, in each Month, without Distinction of Hours, and the Number of Hours during which it blew, with a recorded force greater than 0·1 lb. on a square foot: and the General Range of Hours during which the Wind blew in each Direction; thrity-two Directions were Reduced to Eight Points by the rule heretofore adopted.*

Months, 1860.	N.			NE.			E.			SE.		
	Sums of Pressures.	Number of Hours.	General Range of Hours.	Sums of Pressures.	Number of Hours.	General Range of Hours.	Sums of Pressures.	Number of Hours.	General Range of Hours.	Sums of Pressures.	Number of Hours.	General Range of Hours.
	lbs.	H.		lbs.	H.		lbs.	H.		lbs.	H.	
January ...	25·25	93·5	At all hours except 4 and 5 P. M.	8·25	58·0	From 7 A. M. to 2 P. M. ..	1·40	12·0	A few instances.			
February..	10·95	60·0	At all hours except 3 P. M.	3·25	28·5	From 7 A. M. to Noon	0·70	6·5	Only one instance of true East.	0·05	0·5	No instance of SE.
March.....	3·80	28·5	Generally from 3 to 11 A. M.	0·65	5·5	A few instances	0·60	4·5	A solitary instance.....	0·40	3·0	A single instance.
April	6·60	40·0	From 2 to 8 A. M.....	0·70	7·0	From 8 to 11 A. M.	0·35	3·5	Only three instances	0·15	1·5	None of true SE.
May	1·70	15·0	From 5 A. M. to 9 A. M. ..	0·05	0·5	No instance of NE.						
June	0·50	3·5	No instance of true North ..	0·35	2·5	Only two instances.....	2·15	14·0	From midnight to 7 A. M...	4·20	18·5	A few instances of real SE.
July	0·1	1·0	A solitary instance.....	..	..	.....	..	..	.....	4·20	17·5	A few instances from 11 P.M. to 11 A. M.
August ..	0·70	7·0	A few instances	0·25	2·5	A solitary instance	..	..	.....	0·10	1·0	
September.	1·30	7·5	Only two or three instances of real North.	1·35	9·0	Only three instances	2·70	12·0	From 6 to 11 A. M.	4·20	19·0	From 5 to 9 A. M.
October ..	5·85	36·0	Generally from 5 to 11 A. M.	18·25	59·0	Generally from midnight to Noon.	12·25	23·5	Generally from midnight to Noon.	7·50	30·5	From 10 P. M. to Noon.
November .	25·60	84·0	At all hours except 3 to 8 P. M.	61·65	198·5	At all hours, excepting 4 to 9 P. M.	20·25	36·0	From 4 A. M. to 5 P. M. ..	3·00	2·0	No instance of SE.
December .	20·95	87·5	At all hours excepting 2 and 10 A. M., and 3 and 8 P. M.	26·25	108·5	From midnight to 1 P. M...	1·75	12·5	A few instances of true East.			
Sums	103·30	463·5		121·00	479·5		42·15	124·5		23 80	93·5	

TABLE LXXXIV.—*(continued.)*

Months, 1860.	S.			SW.			W.			NW.		
	Sums of Pressures.	Number of Hours.	General Range of Hours.	Sums of Pressures.	Number of Hours.	General Range of Hours.	Sums of Pressures.	Number of Hours.	General Range of Hours.	Sums of Pressures.	Number of Hours.	General Range of Hours.
	lbs.	H.		lbs.	H.		lbs.	H.		lbs.	H.	
January ..	..	..	.....	0·05	0·5	.....	14·30	43·5	From 1 to 7 P. M.	118·75	242·5	At all hours except 6, 7, and 8 A. M.
February .	0·20	2·0	Only two instances.....	0·25	2·5	A single instance of SW ..	18·00	62·5	From Noon to 2 A. M.	81·00	234·5	At all hours, excepting 5 and 7 A. M.
March....	0·60	5·5	Uncertain	0·95	8·0	Very few instances	45·30	123·0	At all hours, excepting from 9 P. M. to midnight, and 4 to 9 A. M.	130·20	269·0	At all hours.
April	0·35	3·0	A single instance of S.....	1·75	12·0	From 10 A. M. to 2 P. M...	42·20	119·0	At all hours except 1, 3, and 4 A. M.	162·75	281·0	At all hours.
May	1·15	9·5	Very few instances.....	4·55	38·0	From 9 A. M. to 11 P. M...	75·45	292·0	At all hours	61·95	167·0	At all hours except 7 P. M.
June.. ..	29·15	90·5	At all hours except 5 and 7 A. M., and 3 and 4 P. M.	85·85	178·5	At all hours	34·85	126·0	At all hours except 4 and 5 A. M.	20·45	70·5	At all hours except 5 and 7 P. M.
July	65·45	145·5	At all hours	194·85	331·0	At all hours	35·35	86·5	At all hours	0·35	1·5	A solitary instance.
August ..	7·75	21·0	Very few instances.....	192·15	329·0	At all hours	70·95	123·5	At all hours	8·70	41·0	Generally from 4 A. M. to 9 P. M.
September.	9·40	39·5	From 11 A. M. to 9 P. M. ..	18·45	62·0	Generally from 11 A. M. to 6 P. M.	50·85	182·0	At all hours except 6 A. M.	22·25	101·0	At all hours.
October ..	6·55	20·0	Uncertain	1·60	12·0	A few instances from 1 to 6 P. M.	28·40	116·0	From Noon to 3 A. M.	30·30	109·0	Generally from 11 A. M. to 10 P. M.
November .	..	..	.....	..	..	.....	11·60	26·0	Very few instances.....	92·10	183·5	From Noon to 1 A. M.
December .	..	..	.....	0·10	1·0	A solitary instance.....	13·60	53·5	From 1 to 10 P. M.....	67·85	171·0	Generally from 10 A. M. to 1 P. M.
Sums.....	120·60	336·5		500·55	974·5		440·85	1353·5		799·55	1871·5	

TABLE LXXXV.—*Showing the Sums of the Pressures and the Hours of Duration of each Wind during the Year* 1860, *for each Hour of Bombay Civil Time.*

Bombay Civil Time.	N.		NE.		E.		SE.		S.		SW.		W.		NW.		Bombay Civil Time.
	Sums of Pressures.	Number of Hours.	Sums of Pressures.	Number of Hours.	Sums of Pressures.	Number of Hours.	Sums of Pressures.	Number of Hours.	Sums of Pressures.	Number of Hours.	Sums of Pressures.	Number of Hours.	Sums of Pressures.	Number of Hours.	Sums of Pressures.	Number of Hours.	
	lbs.	H.	lbs.	H.	lbs.	H.	lbs.	H.	lbs.	H.	lbs.	H.	lbs.	H.	lbs.	H.	
Midnight.	3.95	15.0	2.85	7·0	0·50	3.0	0.70	3·0	8.95	17.5	15.75	39.0	8.20	29.0	24.05	66.5	Midnight.
1 A. M.	2.70	14.5	1.70	8·0	0·45	3.5	1.20	4.0	6 75	13·5	22.65	37.5	7.45	29.0	17.70	58·0	1 A. M.
2 „	3.00	16.0	3.40	14.5	0·90	4.0	1·50	5·0	3.25	9.0	27.50	38.5	8.30	30.0	15.65	50.0	2 „
3 „	4.55	20·5	3.70	17·5	1·35	4.5	0.90	3.5	5·80	14.5	24.70	36.5	11.85	32.0	11.35	47.0	3 „
4 „	5.75	31.5	3·25	17·0	1·65	6.5	0.90	4.0	6.15	14 5	19.35	36.5	8.45	21.5	9.50	41.5	4 „
5 „	6.70	36.5	6.05	25·0	2.50	6.0	1.85	6.5	4.40	11.0	24.50	37·0	5.90	17.0	5.40	29.0	5 „
6 „	7.70	43.0	6.10	28·0	2·80	9.0	1.00	6.0	4.60	13.5	21.50	34.5	6.65	16.0	3·25	22.0	6 „
7 „	6.40	38.0	7.90	39.0	2.95	11.5	1.75	8.0	4.55	10.5	19.30	34.0	9.55	20.5	3.20	23.5	7 „
8 „	8.55	46.0	9.55	47·5	4.35	13.5	2.95	12.0	4.20	13·0	21.45	36.0	13.35	21·0	5.30	35.0	8 „
9 „	8·50	36.5	18·60	68·0	4 15	14.5	2.15	11.5	4.60	16.5	25.00	36.0	5.70	25.5	9.40	48.5	9 „
10 „	4.95	26·0	18·35	75·5	3·80	12.5	2.70	9·0	9.00	18.5	19.00	42.0	8.65	35.5	17.75	59.0	10 „
11 „	4.70	22.5	13·15	61·0	3.65	10.5	1.80	7.0	8.25	22.5	22.95	49.5	13·20	43.5	24.70	71.5	11 „
Noon.	2·65	11.5	9.85	37·5	2·45	9.0	1.25	4.0	8.05	23.5	17.60	43·5	25.30	73.5	32.55	87.5	Noon.
1 P. M.	1.80	7.5	2.50	14·5	0.80	4.0	0.35	1·5	4.10	15.0	21.55	58.5	28.05	101.0	44.25	95.0	1 „
2 „	1.05	5·0	1.35	6·0	0.50	2.5	0.50	0·5	4.20	11.5	24.00	57·5	39.90	113·0	60.60	104.0	2 „
3 „	0.20	1.5	0.30	2·0	0.15	1·5			2.65	9.0	21.15	49·0	49.90	131.5	63.35	108.5	3 „
4 „	0.35	1.5	0.20	1·0	0.10	1.0			3·55	11.0	18.65	46 0	43.25	127.5	75.40	117.0	4 „
5 „	0.70	3.0	0·05	0·5	0·15	1.5			3·60	11.0	15.80	37·5	56 60	118.0	72.40	128.5	5 „
6 „	1.45	4·0			0·70	1·0			2·10	9.0	17.70	44.5	23.70	99.5	71.55	133.0	6 „
7 „	3.30	5.0	7·15	1·0	7·00	0·5			3.45	10.5	33.00	41.0	25·85	79.0	63.35	139.0	7 „
8 „	4.50	10.5	0·05	0·5	0.15	1.5	0·05	0.5	3.65	14.5	17.05	34.5	20.00	70.0	59·35	131.0	8 „
9 „	5.65	18.5			1.00	2.0	0.90	1.5	4·30	13.5	17.90	37.0	12.50	49.0	43.90	112.5	9 „
10 „	8.40	25.5	1·75	3·5	0.10	1·0	0·60	2·5	4.70	16.5	15 50	33.0	11·15	39.5	29·20	84.5	10 „
11 „	5.80	24.0	3·20	7·0		·	0·75	3.5	5.75	17.0	17.00	35.5	8.40	31.5	26.50	74.5	11 „

TABLE LXXXVI.—*Showing the Mean Pressure of each Wind, at each Hour of Bombay Civil Time, as obtained by dividing the Force of Wind in Table* LXXXV. *by the Hours of Duration of each Wind.*

Bombay Civil Time.	Direction of Wind in 1860.								Bombay Civil Time.
	N.	NE.	E.	SE.	S.	SW.	W.	NW.	
	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	
Midnight.	0.26	0 41	0.17	0.23	0.51	0.40	0.28	0.36	Midnight.
1 A. M.	.19	.21	.13	.30	.50	.60	.25	.30	1 A. M.
2 „	.19	.23	.22	.30	.36	.71	.28	.31	2 „
3 „	.22	.21	.30	.26	.40	.68	.39	.24	3 „
4 „	.18	.19	.25	.22	.42	.53	.39	.23	4 „
5 „	.18	.24	.42	.28	.40	.66	.35	.19	5 „
6 „	.18	.22	.31	.16	.34	.62	.41	.15	6 „
7 „	.17	.20	.26	.22	.43	.57	.46	.13	7 „
8 „	.19	.20	.32	.25	.32	.60	.63	.15	8 „
9 „	.23	.28	.28	.18	.28	.70	.22	.19	9 „
10 „	.19	.24	.30	.30	.43	.45	.24	.30	10 „
11 „	.21	.22	.35	.26	.36	.46	.30	.30	11 „
Noon.	.23	.26	.27	.31	.34	.30	.34	.33	Noon.
1 P. M.	.24	.17	.20	.23	.27	.37	.28	.46	1 P. M.
2 „	.21	.22	.20	1.00	.36	.40	.35	.60	2 „
3 „	.13	.15	.10		.29	.43	.37	.63	3 „
4 „	.23	.20	.10		.32	.41	.38	.64	4 „
5 „	.23	.10	.10		.33	.42	.30	.56	5 „
6 „	.36		.70		.23	.40	.29	.51	6 „
7 „	.66	7.15	14.00		.33	.80	.32	.49	7 „
8 „	.43	0 10	0.10	0.10	.25	.50	.29	.45	8 „
9 „	.31		.50	.60	.31	.48	.23	.39	9 „
10 „	.33	.50	.10	.24	.28	.47	.28	.38	10 „
11 „	.24	.47		.21	.34	.40	.27	.35	11 „

TABLE LXXXVII.—*Showing the Mean Force of each Wind resolved into the Component Cardinal Directions, by the usual rules of Mechanics.*

Direction of Wind.	Mean Force of each Wind.	Resolved Force in the Direction of				Mean Force due to each Cardinal Direction.
		N.	E.	S.	W.	
	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.
N.	0·2229	0·2229				0·7055
NE.	·2521	·1782	0·1782			
E.	·3385		·3385			0·6966
SE.	·2545		·1799	0·1799		
S.	·3258			·3258		0·8688
SW.	·5136			·3631	0·3631	
W.	·3257				·3257	0·9912
NW.	·4277	·3024			·3024	

The Greatest Mean Force of Wind was recorded under SW; next in order was NW, and third in order were W, S, and E.

The angle between the resultant and the meridian was equal to 70°24′58″—being about 7°13′18″ higher than the Mean of the last seven years.

Assuming the sum of hours of duration equal to unity, we have the relative prevalence of WNW Wind over all the others, in the ratio of $\frac{54}{100}$, being about 0·0366 higher than the Mean of the last seven years.

TABLE LXXXVIII.—*Mean Azimuth of Wind reduced from the Registry of Osler's Anemometer, for each Day of Bombay Civil Time.*

Date, 1860.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1	- 61°	- 6°	- 40°	- 47°	⊙°	-136°	⊙°	-141°	- 64°	-143°	- 19°	- 9°
2	- 40	- 3	- 42	⊙	⊙	-134	-158	-125	- 67	- 63	- 13	8
3	26	- 16	- 35	⊙	- 69	⊙	-189	-130	-171	- 44	- 3	- 26
4	- 10	- 26	- 29	-112	- 61	- 52	-174	-127	-143	- 63	⊙	- 16
5	- 21	- 42	- 29	-142	- 66	- 54	-177	-102	- 83	- 56	15	- 7
6	- 26	- 33	- 55	- 45	- 77	- 75	-165	-103	-102	- 29	1	- 20
7	- 25	- 36	-131	- 49	- 71	- 67	-156	-115	-113	- 17	1	- 30
8	- 32	- 31	⊙	- 56	- 63	-158	-142	-124	- 99	- 48	- 4	- 17
9	- 23	- 39	-137	- 78	- 92	-160	-157	-135	- 58	- 45	- 4	- 44
10	- 33	- 36	⊙	-118	- 85	-179*	-151	-137	- 44	- 41	- 8	⊙
11	- 1	- 25	- 72	-105	⊙	⊙	-119	-117	- 62	- 9	- 1	10
12	- 4	- 35	- 55	- 76	- 73	⊙	-120	-139	- 57	- 60	0	- 25
13	- 41	⊙	- 55	- 53	- 45	-136	-112	-136	- 61	-143	- 5	- 21
14	- 42	⊙	- 48	- 44	- 61	-123	- 90	-137	- 79	26	4	- 23
15	- 28	- 44	- 54	- 40	- 53	-135	-113	-128	- 96	84*	13	- 15
16	- 17	⊙	- 55	- 39	- 76	-163	-142	-125	- 86	185*	4	0
17	⊙	- 32	- 55	- 47	- 83	-167	-150	- 98	-106	28	- 2	6
18	- 1	⊙	⊙	- 41	- 45	-158	-135	-137	-118	- 12	3	26
19	- 4	- 33	- 70	- 48	- 68	-115	⊙	-150	-109	28	6	2
20	- 25	- 41	- 50	- 42	- 42	- 83	-138	-137	-175	50	- 14	- 31
21	- 41	- 42	- 34	- 54	- 44	-162	-129	-131	-143	- 11	6	- 10
22	⊙	- 51	- 48	- 68	- 60	- 93	-130	-131	-150	- 10	- 1	- 24
23	- 18	- 55	- 43	⊙	- 69	- 13	-142	-129	-149	- 22	- 1	- 25
24	- 35	- 41	- 92	- 37	-114	-137	-145	-132	-166	⊙	- 8	- 11
25	- 37	- 22	-168*	- 35	- 85	-115	-141	-123	- 22	⊙	- 15	- 6
26	- 29	⊙	⊙	- 31	- 95	-138	-141	-101	- 10	⊙	- 14	- 18
27	- 19	- 33	- 42	- 51	- 83	-153	-143	- 52	- 34	-157	52	- 18
28	- 34	- 39	- 54	- 55	-101	-151	-139	- 56	-152	⊙	29	- 5
29	- 34	- 38	- 69	- 91	- 83	⊙	-143	- 52	⊙	-146	3	- 18
30	- 37		- 54	- 69	-101	⊙	-147	- 49	-175	- 18	5	- 48
31	- 29		- 41		-151		-146	- 43		- 12		- 18

TABLE LXXXIX.—*Showing, for each Month, the Mean Azimuth of Wind, and its Periodic Changes from the Mean of the Year.*

Months, 1860.	Mean Azimuth of Wind.	Difference from the Mean of the Year.	FOR SEASONS.	
	°	°		°
January	- 25	40	Mean of { Jan., Feb., March, Oct., Nov., Dec. } or Winter.....	- 27
February	- 33	32		
March	- 57	8		
April.....	- 62	3	Mean of { April, May, June, July, Aug., Sept. } or Summer	-103
May	- 76	- 11		
June.....	-120	- 55		
July.....	-143	- 78	Mean of the Year.....	- 65
August.....	-114	- 49		
September	-100	- 35	Greatest Westerly Azimuth in July	-143
October	- 36	29	Least Westerly Azimuth in November	1
November	1	66		
December.....	- 14	51	Difference.....	144

TABLE XC.—*Mean Azimuth of Wind in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1860.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	°	°	°	°	°	°	°	°	°	°	°	°
Midnight.	- 19	- 37	- 64	- 74	- 79	- 122	- 153	- 120	- 103	- 37	- 8	- 21
1 A. M.	- 17	- 38	- 59	- 73	- 76	- 118	- 147	- 124	- 103	- 32	4	- 7
2 „	- 13	- 30	- 53	- 75	- 74	- 114	- 147	- 120	- 100	- 33	14	3
3 „	- 13	- 31	- 50	- 65	- 68	- 116	- 145	- 122	- 100	- 32	26	5
4 „	- 12	- 30	- 44	- 59	- 60	- 121	- 142	- 122	- 95	- 28	30	11
5 „	- 11	- 20	- 46	- 55	- 58	- 120	- 145	- 126	- 104	- 27	35	17
6 „	- 8	- 9	- 43	- 47	- 55	- 124	- 141	- 115	- 107	- 16	37	18
7 „	1	1	- 40	- 40	- 56	- 126	- 142	- 108	- 108	- 11	43	21
8 „	6	7	- 37	- 38	- 59	- 121	- 146	- 110	- 101	- 6	44	30
9 „	12	12	- 37	- 57	- 65	- 125	- 142	- 110	- 107	- 4	50	33
10 „	10	- 3	- 42	- 63	- 72	- 129	- 144	- 107	- 105	- 1	53	35
11 „	- 8	- 20	- 58	- 70	- 82	- 121	- 144	- 106	- 109	- 17	49	32
Noon.	- 29	- 55	- 61	- 73	- 84	- 114	- 140	- 120	- 114	- 19	36	17
1 P. M.	- 46	- 62	- 70	- 72	- 85	- 124	- 138	- 115	- 104	- 72	- 4	- 39
2 „	- 48	- 59	- 72	- 71	- 83	- 129	- 138	- 112	- 101	- 68	- 38	- 57
3 „	- 53	- 58	- 69	- 69	- 84	- 109	- 139	- 108	- 97	- 69	- 42	- 62
4 „	- 64	- 53	- 69	- 68	- 83	- 117	- 137	- 108	- 95	- 72	- 47	- 63
5 „	- 53	- 52	- 64	- 67	- 84	- 113	- 138	- 107	- 91	- 64	- 47	- 60
6 „	- 53	- 50	- 68	- 64	- 85	- 114	- 135	- 111	- 89	- 54	- 48	- 51
7 „	- 47	- 48	- 65	- 63	- 86	- 120	- 143	- 112	- 87	- 51	- 43	- 49
8 „	- 41	- 48	- 65	- 61	- 83	- 122	- 142	- 110	- 93	- 55	- 38	- 47
9 „	- 34	- 43	- 62	- 60	- 83	- 119	- 143	- 114	- 91	- 48	- 31	- 41
10 „	- 30	- 38	- 62	- 60	- 83	- 115	- 146	- 115	- 96	- 32	- 21	- 34
11 „	- 25	- 37	- 63	- 58	- 84	- 116	- 147	- 117	- 91	- 27	- 16	- 30

TABLE XCI.—*Excess of the Mean Hourly Azimuth of Wind above the Monthly Mean.*

Bombay Civil Time.	MONTHS, 1860.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	°	°	°	°	°	°	°	°	°	°	°	°
Midnight.	6	− 4	− 7	− 12	− 3	− 2	− 10	− 6	− 3	− 1	− 9	− 7
1 A. M.	8	− 5	− 2	− 11	0	2	− 4	− 10	− 3	4	3	7
2 „	12	3	4	− 13	2	6	− 4	− 6	0	3	13	17
3 „	12	2	7	− 3	8	4	− 2	− 8	0	4	25	19
4 „	13	3	13	3	16	− 1	1	− 8	5	8	29	28
5 „	14	13	11	7	18	0	− 2	− 12	− 4	9	34	31
6 „	17	24	14	15	21	− 4	2	− 1	− 7	20	36	32
7 „	26	34	17	22	20	− 6	1	6	− 8	25	42	35
8 „	31	40	20	24	17	− 1	− 3	4	− 1	30	43	44
9 „	37	45	20	5	11	− 5	1	4	− 7	32	49	47
10 „	35	30	15	− 6	4	− 9	− 1	7	− 5	35	52	49
11 „	17	13	− 1	− 8	− 6	− 1	− 1	8	− 9	19	48	46
Noon.	− 4	− 22	− 4	− 11	− 8	6	3	− 6	− 14	17	35	31
1 P. M.	− 21	− 29	− 13	− 10	− 9	− 4	5	− 1	− 4	− 36	− 5	− 25
2 „	− 23	− 26	− 15	− 9	− 7	− 9	5	2	− 1	− 32	− 39	− 48
3 „	− 33	− 25	− 12	− 70	− 8	11	4	6	3	− 33	− 43	− 48
4 „	− 39	− 20	− 12	− 6	− 7	3	6	6	5	− 36	− 48	− 49
5 „	− 33	− 19	− 7	− 5	− 8	7	5	5	9	− 28	− 48	− 46
6 „	− 28	− 17	− 11	− 2	− 9	6	8	3	11	− 18	− 49	− 37
7 „	− 22	− 15	− 8	− 1	− 10	0	0	2	13	− 15	− 44	− 35
8 „	− 16	− 15	− 8	1	− 7	− 2	1	4	7	− 19	− 39	− 33
9 „	− 9	− 10	− 5	2	− 7	1	0	0	9	− 12	− 32	− 27
10 „	− 5	− 5	− 5	2	− 7	5	− 3	− 1	4	4	− 22	− 20
11 „	− 0	− 4	− 6	0	− 8	4	− 4	− 3	9	9	− 17	− 16

TABLE XCII.—*Showing, for the Year* 1860, *the Mean Azimuth of Wind for each Hour of Bombay Civil Time.*

Bombay Civil Time.	Mean Azimuth of Wind.		Annual Mean.	FOR DAY AND NIGHT.
	Winter.	Summer.		
	°	°	°	
Midnight.	− 31	108	70	
1 A. M.	− 25	107	66	Mean of { 6, 7, 8, 9, 10, 11 P. M. / Mid. 1, 2, 3, 4, 5 A. M. } or Night..... −67
2 „	− 19	105	62	
3 „	− 16	103	59	
4 „	− 12	100	56	Mean of { 6, 7, 8, 9, 10, 11 A. M. / Noon, 1, 2 3, 4, 5 P. M. } or Day ..... −63
5 „	− 9	98	53	
6 „	− 3	98	51	
7 „	2	96	47	Mean Annual.. 65
8 „	7	99	45	
9 „	11	101	45	
10 „	9	104	48	
11 „	− 4	105	54	TIMES OF MEAN MAXIMUM AND MINIMUM.
Noon.	− 18	107	63	*Winter.*
1 P. M.	− 49	106	78	Most Easterly at about 9 A. M.
2 „	− 57	106	81	Most Westerly at about 4 P. M.
3 „	− 60	101	80	
4 „	− 61	101	81	*Summer.*
5 „	− 57	100	79	
6 „	− 54	100	77	Most Westerly at Midnight.
7 „	− 50	102	76	Least Westerly at 6 A. M.
8 „	− 49	102	75	
9 „	− 43	102	72	
10 „	− 36	102	69	
11 „	− 33	102	68	

TABLE XCIII.—*Showing, for the Year* 1860, *the Hours of Bombay Civil Time at which the Mean Azimuth of Wind, in each Month, was at its Maximum and Minimum.*

Months, 1860.	The Mean Hourly Azimuth of Wind.		Mean Diurnal Range.	The Time at which the Mean Hourly Azimuth of Wind was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
	°	°	°	H.	H.
January	– 64	12	– 76	4 P. M.	9 A. M.
February	– 62	12	– 74	1 „	9 „
March	– 72	– 37	– 35	2 „	9 „
April	– 75	– 38	– 37	2 A. M.	8 „
May	– 86	– 55	– 31	7 P. M.	6 „
June	–129	–109	– 20	2 „	3 P. M.
July	–153	–135	– 18	Midnight.	6 „
August	–126	–106	– 20	5 A. M.	11 A. M.
September	–114	– 87	– 27	Noon.	7 P. M.
October	– 72	– 1	– 71	4 P. M.	10 A. M.
November	– 48	53	–101	6 „	10 „
December	– 63	35	– 98	4 „	10 „

TABLE XCIV.—*Mean Force of the Wind, without regard to the Direction in which it blew, for each day of Bombay Civil Time.*

Date, 1860.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.
1		0.24	0.49		0.20	0.07			0.14	0.11	0.25	0.20
2		.26	.43	0.19	.41	.08	0.14	1.88	1	.19	.22	
3	0.11	·17	.38	·22	·25		.39	2.01	.10	.17	.36	.14
4	.15	·25		.08	.19	.27	.23	0.80	.07	.11		·25
5	.16		.16	.05	.18	.29	.23		.33	.05	.49	.24
6	.35	.08	.09			.26	.33	.50	.46	.07	·55	.19
7	.25	·12		.32	.12	.20	.17	.42	.33		.50	.28
8		.15	.06		.15	.15		1.15	.74	.10	.39	.35
9	.42	.11	.07	.15	.08	.26	.53	0.66		.24	.34	
10	.29	.18	.10	.12	.10		·22	.51	.13	.17	.29	.36
11	.25	.17		.28	.12	.09	.15	.39	.10	.12		.19
12	.15		.20	.22	.20	.16	.23	.46	.21	.17		.10
13	.06	.11	.37	.53		.28	.35		.18	.06	.26	.55
14	.24	.08	.26	.83	.74	1.19	.54	.54	.15		.26	.25
15		.10	·42		.46	0.42		.52	.14	.11	.26	.23
16	.18	.13	.34	.82	.14	.50	.20	.19		.96	.27	
17	.08	.21	.11	.67	.12		.37	.33	.18	.13	.28	.07
18	.12	.27		.68	.21	.17	.54	·10	.15	.17		.27
19	.20		·25	.53	.66	.10	.24		·08	.06	.49	.42
20	·30	.16	.29	.47		.06	.41	.08	.08	.05	.35	.10
21	.14	·33	·60	.43	.41	.08	.38	.04	.09		.23	.07
22		.21	.39		.25	·26		.12	.13	.04	.27	.18
23	.95	.13	.38	·18	.23	.12	1.10	.19		.10	.30	
24	.74	.29	.18	.20			·25	.12	.12	.11	.27	.30
25	.29	.38		.43	.16	·45	0.88	.07	.08	.20	.33	
26	.24		.26	.51	.14	.65	.78	.04	.19	·14		.20
27	.19	.35	.31	.35	.21	.63	1.01		.13	.25	.62	.09
28	.32	.29	.17	.11		.32	.00	.17	.08		.50	.20
29			·13		·08	·32		.13	.25	.25	.45	.13
30	.38		·55	.18	.11	.15	0.47	.12		.26	.37	
31	.31		.61		.10		.34	.10		.31		.15

TABLE XCV.—*Showing, for each Month, the Mean Force of Wind, without regard to the Direction in which it blew, and its Periodic Changes from the Mean of the Year.*

Months, 1860.	Mean Force of Wind.	Difference from the Mean of the Year.	For SEASONS.	
	lbs.	lbs.		lbs.
January	0·27	−0·02	Mean of {Jan. Feb. March / Oct. Nov. Dec.} or Winter	0·25
February.....	·20	− ·09		
March.....	·29	·00		
April	·36	·07	Mean of {April, May, June, / July, Aug. Sept.} or Summer....	0·33
May	·23	− ·06		
June.....	·29	·00		
July	·48	·19	Mean of the year.....	0·29
August.....	·45	·16		
September	·19	− ·10	Greatest Monthly Mean in July	0·48
October	·17	− ·12	Least Monthly Mean in October	0·17
November	·36	·07		
December	·22	− ·07	Difference....	0·31

TABLE XCVI.—*Mean Force of Wind, without regard to the Direction in which it blew, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1860.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.
Midnight.	0.10	0.07	0.27	0.39	0 22	0.21	0.49	0.35	0.13	0.06	0.14	0.14
1 A. M.	.09	.05	.18	.26	.20	.36	.50	.42	.12	.04	.08	.05
2 „	.06	.08	.17	.22	.19	.29	.58	.42	.18	.07	.12	.05
3 „	.05	.07	.15	.13	.13	.23	.51	.57	.24	.17	.21	.04
4 „	.08	.05	.10	.12	.12	.27	.52	.38	.18	.07	.21	.09
5 „	.09	.03	.06	.08	.07	.25	.61	.37	.20	.12	.26	.10
6 „	.10	.03	.02	.09	.07	.20	.57	.41	.15	.09	.28	.10
7 „	.10	.02	.02	.11	.08	.14	.70	.39	.12	.10	.27	.11
8 „	.15	.05	.06	.15	.10	.13	.48	.83	.14	.12	.34	.12
9 „	.20	.09	.09	.18	.15	.15	.62	.47	.16	.09	.54	.28
10 „	.20	.16	.16	.25	.18	.35	.54	.41	.22	.08	.52	.29
11 „	.22	.18	.27	.38	.22	.25	.57	.53	.25	.10	.45	.24
Noon.	.22	.24	.43	.40	.28	.35	.40	.68	.30	.13	.38	.24
1 P. M.	.30	.31	.51	.53	.32	.30	.41	.38	.23	.23	.25	.21
2 „	.46	.45	.62	.59	.37	.36	.50	.47	.24	.27	.40	.40
3 „	.59	.50	.65	.55	.39	.36	.39	.45	.26	.33	.52	.45
4 „	.62	.53	.65	.73	.39	.34	.44	.56	.22	.33	.61	.48
5 „	.62	.40	.57	.71	.32	.28	.38	.38	.21	.32	.54	.37
6 „	.60	.33	.56	.62	.32	.23	.48	.31	.17	.28	.56	.39
7 „	.60	.46	.41	.57	.33	.31	.50	.39	.15	.67	.64	.32
8 „	.45	.31	.41	.44	.25	.41	.35	.45	.14	.16	.48	.25
9 „	.30	.16	.28	.35	.31	.30	.35	.33	.16	.10	.38	.21
10 „	.21	.10	.26	.36	.30	.26	.29	.33	.15	.10	.23	.15
11 „	.15	.09	.26	.33	.30	.19	.35	.44	.14	.11	.18	.13

TABLE XCVII.—*Excess of the Mean Hourly Force of Wind above the Monthly Mean.*

Bombay Civil Time.	MONTHS, 1860.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.
Midnight.	-0.17	-0.13	-0.02	0.03	-0.01	-0.08	0.01	-0.10	-0.06	-0.11	-0.22	-0.08
1 A. M.	- .18	- .15	- ·11	- .01	- .03	.07	·02	- .03	- ·07	- .13	- ·28	- .17
2 „	- .21	- .12	- ·12	- .14	- .04	·00	.10	- .03	- ·01	- .10	- .24	- .17
3 „	- .22	- .13	- ·14	- .23	- .10	- ·06	.01	.12	.05	- .00	- .15	- .18
4 „	- .19	- ·15	- .19	- .24	- ·11	- .02	.04	- .07	- .01	- ·10	- .15	- ·13
5 „	- .18	- .17	- .23	- .28	- ·16	- .04	.13	- .08	.01	- .05	- .10	- .12
6 „	- .17	- .17	- ·27	- .27	- ·16	- .09	.09	- .04	- .04	- .08	- .08	- .12
7 „	- .17	- .18	- .27	- .25	- ·15	- .15	·22	- .06	- .07	- .07	- .09	- .11
8 „	- .12	- .15	- .23	- ·21	- ·13	- ·16	.00	.38	- .05	- .05	- .02	- .10
9 „	- .07	- .11	- .20	- .18	- ·08	- ·14	·14	.02	- .03	- .08	.18	.06
10 „	- .07	- .04	- ·13	- .11	- ·05	.06	·06	.04	·03	- .09	.16	.07
11 „	- ·05	- .02	- .02	.02	- ·01	- .04	.09	.08	.06	- .07	.09	.01
Noon.	- .05	.04	.14	.04	.05	.06	- .08	.23	.11	- .04	.02	.02
1 P. M.	.03	.11	.22	.17	·09	.01	- .07	- ·07	.04	.06	- .11	- .01
2 „	.19	.25	.33	.23	·14	.07	·02	.02	.05	.10	.04	.18
3 „	.32	.30	.36	.19	·16	·07	- .09	·00	.07	.16	.16	.23
4 „	·35	.33	.36	.37	·16	.05	- .04	.11	·03	.16	.25	.26
5 „	.35	.20	.28	.35	·09	- .01	- ·10	- .07	.02	.15	.18	.15
6 „	.33	.13	.27	.26	.09	- .06	.00	- ·14	- .02	.11	.20	.17
7 „	.33	.26	.12	·23	·10	.52	·02	- .06	- .04	.15	.28	.10
8 „	.18	.11	.12	.08	·02	.12	- .13	.00	- .05	- .50	.12	.03
9 „	.03	- .04	- ·01	- .01	·08	.01	- ·13	- .12	- .03	- .07	.02	- .01
10 „	- .06	- .10	- ·03	·00	.07	- .03	- .19	- ·12	- .04	- .07	- .13	- .07
11 „	- .12	- .11	- .03	- .03	·07	- .10	- .13	- .01	.05	- .06	- .18	- .09

TABLE XCVIII.—*Showing, for the Year* 1860, *the Mean Force of Wind for each hour of Bombay Civil Time.*

Bombay Civil Time.	Mean Force of Wind.		Annual Mean.
	Summer.	Winter.	
	lbs.	lbs.	lbs.
Midnight.	0·13	0·30	0·22
1 A. M.	·08	·31	·19
2 „	·09	·31	·20
3 „	·11	·30	·20
4 „	·10	·26	·18
5 „	·11	·26	·19
6 „	·10	·25	·17
7 „	·10	·26	·18
8 „	·16	·30	·23
9 „	·21	·29	·25
10 „	·24	·33	·29
11 „	·24	·37	·30
Noon.	·27	·40	·34
1 P. M.	·30	·36	·33
2 „	·43	·42	·42
3 „	·51	·40	·46
4 „	·54	·45	·50
5 „	·47	·38	·42
6 „	·44	·36	·40
7 „	·52	·46	·49
8 „	·34	·34	·34
9 „	·24	·30	·27
10 „	·17	·28	·23
11 „	·15	·29	·22

FOR DAY AND NIGHT.

	lbs.
Mean of { 6, 7, 8, 9, 10, 11 P. M. / Mid. 1, 2, 3, 4, 5 A. M. } or Night	0·26
Mean of { 6, 7, 8, 9, 10, 11 A. M. / Noon. 1, 2, 3, 4, 5 P. M. } or Day	0·32
Mean Annual	0·29

TIMES OF MEAN MAXIMUM AND MINIMUM.

A Maximum at 4 P. M.
A Minimum at 6 A. M.

TABLE XCIX.—*Showing, for the Year* 1860, *the Hours of Bombay Civil Time, at which the Mean Force of Wind, without regard to its Direction, in each Month, was at its Maximum and Minimum.*

Months, 1860.	The Mean Hourly Force of Wind.		Mean Diurnal Range.	The Time at which the Mean Hourly Force of Wind was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
	lbs.	lbs.	lbs.	H.	H.
January	0·62	0·05	0·57	4 P. M.	3 A. M.
February	·53	·02	·51	4 „	7 „
March	·65	·02	·63	4 „	7 „
April	·73	·08	·65	4 „	5 „
May	·39	·07	·32	4 „	6 „
June	·81	·13	·68	7 „	8 „
July	·70	·29	·41	7 A. M.	10 P. M.
August	·83	·31	·52	8 „	6 „
September	·30	·12	·18	Noon.	7 A. M.
October	·67	·04	·63	7 P. M.	1 „
November	·64	·08	·56	7 „	1 „
December	·48	·04	·44	4 „	3 „

TABLE C.—*Showing the effect of Different Winds on the Principal Meteorological Elements in each Month of the Year* 1860.

Those hours, on which the force of wind was less than 0·1 lb., or when the extent of clouds was more than $\frac{3}{10}$ part of the whole sky, were all thrown out in reducing these results.

Months, 1860.	N.						NE.					
	Barometer corrected for Temperature.	Air Thermometer.	Wet Bulb.	Pressure of Supposed Dry Air.	Force of Wind.	Instances.	Barometer corrected for Temperature.	Air Thermometer.	Wet Bulb.	Pressure of Supposed Dry Air.	Force of Wind.	Instances.
	in.			in.	lbs.		in.			in.	lbs.	
January	29·962	70°3	64°0	29·434	0·20	74·0	29·980	74°0	65°3	29·453	0·15	47·0
February	·909	73·0	67·5	·295	·18	27·0	·969	75·8	66·4	·420	·10	7·0
March	·873	77·2	71·3	·178	·12	20·0	·940	81·8	74·0	·199	·10	0·5
April	·853	79·5	74 0	·087	·20	0·5						
May												
October	·796	82·5	77·2	28·897	0·22	4·0	·814	85·1	77·9	28·934	·17	8·0
November	·904	74·9	68·5	29·281	0·27	54·0	·930	77·3	69·0	29·314	·32	143·0
December	·925	76·1	69·4	·299	0·25	61·0	·946	77·5	69·2	·324	·23	57·0
	E.						SE.					
	in.			in.	lbs.		in.			in.	lbs.	
January	29·904	65°3	60°0	29·438	0·12	6·0						
February	·971	76·7	68·6	·366	·10	2·5	29·905	74°8	62°6	29·515	0·10	0·5
March	·940	81·8	74·0	·199	·10	0·5	·909	79·8	77·7	·030	0·20	0·5
April							·711	77·4	75·5	28·853	0·10	0·5
May												
October												
November	·981	80·6	69·5	·384	·55	21·0	30·036	85·1	69·8	29·482	1·67	1·5
December	·915	75·4	69·3	·268	·17	7·5						

TABLE CI.

Months, 1860.	S.						SW.					
	Barometer corrected for Temperature.	Air Thermometer.	Wet Bulb.	Pressure of Supposed Dry Air.	Force of Wind.	Instances.	Barometer corrected for Temperature.	Air Thermometer.	Wet Bulb.	Pressure of Supposed Dry Air.	Force of Wind.	Instances.
	in.			in.	lbs.		in.			in.	lbs.	
January ..							29·866	87°1	72°4	29·243	0·10	0·5
February..												
March....	29·917	79°4	76°8	29·022	0·20	2·5	·840	84·7	77·0	29·042	·10	6·0
April	·711	77·4	75·8	28·853	·10	0·5	·770	87·2	78·0	28·915	·27	3·5
May.....							·814	87·3	79·5	29·912	·14	5·5
October ..												
November .												
December .							·869	91·4	74·4	·218	·10	1·0
	W.						NW.					
	in.			in.	lbs.		in.			in.	lbs.	
January ..	29·925	79°4	70°6	29·288	0·30	27·5	29·947	73°5	66°6	29·370	0·45	187·0
February..	·829	77·9	71·5	·137	·33	23·5	·874	77·1	70·7	·198	·36	102·5
March....	·833	82·6	74·6	·077	·40	76·0	·834	80·9	73·8	·087	·54	189·5
April	·790	84·2	77·4	·950	·48	49·5	·852	82·8	76·2	·034	·86	74·5
May.....	·761	86·9	79·2	·878	·33	54·0	·773	84·7	78·1	28·901	·63	23·5
October ..	·779	87·4	76·5	·003	·90	1·0	·890	85·0	76·0	·033	·52	10·0
November .	·880	85·4	72·1	·243	·47	17·0	·877	84·7	72·5	·183	·57	107·5
December..	·866	83·5	73·0	·177	·30	22·0	·892	79·6	72·0	·199	·39	119·5

TABLE CII.—*Showing the effect of different Winds on the Fall of Rain (by Newman's Gauge) during the Year* 1860.

Direction of Wind.	June.		July.		August.		September.		October.	
	Monthly Sum.	No. of Observations.	Monthly Sum.	No. of Observations.	Monthly Sum.	No. of Observations.	Monthly Sum.	No. of Observations.	Monthly Sum.	No. of Observations.
	in.		in.		in.		in.		in.	
N.	0·13	0·5	0·13	1·0	0·05	0·5	0·01	1·0		
NE.	·14	1·0							0·06	1·0
E.	·27	2·0							·57	3·0
SE.	·23	2·5	0·13	2·5			0·27	2·0	·02	1·0
S.	2·38	13·5	2·09	30·5	0·09	4·5	0·38	6·0	·06	2·0
SW.	6·28	24·5	6·13	62·0	2·08	47·0	1·77	13·5		
W.	2·81	16·5	3·99	16·0	3·02	31·5	3·45	28·5	·03	1·5
NW.	2·06	10·0	0·13	1·0	0·45	4·5	1·17	11·0	·18	2·5
Calm.	5·27	31·0	3·38	23·0	0·46	11·0	0·97	7·0	1·25	9·0

TABLE CIII.—*Showing the Mean Effect of Different Winds during the last three Years, 1858—60, on the principal Meteorological Elements.*

Year.	Direction of Wind.	Number of Instances.	Barometer corrected for Temperature.	Temperature of External and Free Air.	Temperature of Evaporation.	Pressure of supposed Dry Air.	Force of Wind.	Fall of Rain.	
								Amount of Rain.	No. of Instances.
			in.			in.	lbs.	in.	
1858.	N.	892.0	29.895	76°6	70°8	29.214	0.24	2.575	19.0
	NE.	534.0	29.930	77.1	70.5	29.273	0·17	1.045	6.5
	E.	281.5	29.903	80.2	73.5	29.163	0.19	0.170	3.5
	SE.	115.0	29.788	80.6	77.2	28.909	0.29	0.225	4.5
	S.	207.5	29.710	82.6	77.9	28.824	0.45	2.195	19.0
	SW.	838.5	29.728	82.4	78.4	28.822	0.41	9.785	107.0
	W.	1632.0	29.742	82.4	78.3	28.844	0.36	23.505	215.0
	NW.	1583.0	29.817	82.0	74.7	29.050	0.31	7.970	61.5
1859.	N.	766.0	29.892	76.6	71.2	29.196	0.33	3.950	19.5
	NE.	408.5	29.908	77.9	71·8	29.207	0.16	1.260	7.5
	E.	200.0	29.851	79.4	73.6	29.097	0.21	1.970	7.5
	SE.	83.5	29.769	82.2	77.5	28.898	0.25	1.310	9.5
	S.	246·0	29.707	83.6	79.3	28.778	0.67	1.120	13.0
	SW.	951.0	29.728	81.8	78.7	28.802	0.57	12.650	98.0
	W.	972.0	29.746	83.1	78.0	28.863	0.51	15.880	111.0
	NW.	1990.0	29.822	80.7	74.5	29.051	0.44	8.590	66.5
1860.	N.	240.5	29.917	73.9	67.6	29.314	0.22	0.320	3·0
	NE.	262.5	29.940	76.9	68.6	29.336	0.29	0.200	2.0
	E.	37.5	29.955	76.9	67.7	29.381	0.37	0.840	5.0
	SE.	3.0	29.946	81.2	70.8	29.314	0.90	0.650	8.0
	S.	3.0	29.883	79.1	76.6	29.010	0.18	5.000	56.5
	SW.	16.5	29.819	86.6	77.8	28.981	0.15	16.260	147.0
	W.	270.5	29.825	83.3	75.0	29.061	0.39	13.300	94·0
	NW.	814.5	29.805	79.1	71.6	29.121	0.51	3.990	29.0

In reducing the above-given Results in the Years 1858-59, calm hours were thrown out of calculation; but during the Year 1860, calm hours, and the hours on which the extent of Clouds was above ⅛ part the sky, were both thrown out in the reduction of the results.

TABLE CIV.—*Showing the Effect of Clouds on the Mean Height of Barometer, Temperature of Free Air, Wet Bulb Thermometer, and Rain, as deduced from the Observations of the last three Years, 1858—60.*

Direction of Wind.	Barometer No. 58.			Temperature of Free Air.			Wet Bulb Thermometer.			Pressure of supposed Dry Air.			Instances in the last three Years.	Fall of Rain.	
	Mean of the last three Years.	Mean in 1860.	Difference.	Mean of the last three Years.	Mean in 1860.	Difference.	Mean of the last three Years.	Mean in 1860.	Difference.	Mean of the last three Years.	Mean in 1860.	Difference.		Mean of the last three Years.	Number of Observations.
	in.	in.	in.							in.	in.	in.		in.	
N.	29·896	29·917	−0·021	76°3	73°9	+ 2°4	70°6	67°6	+ 3°0	29·220	29·314	−0·094	1898·5	0·165	41·5
NE.	·927	·940	− ·013	77·4	76·9	+ 0·5	70·7	68·6	+ 2·1	·259	·336	− ·077	1205·0	·157	16·0
E.	·887	·955	− ·068	79·7	76·9	+ 2·8	73·1	67·7	+ 5·4	·155	·381	− ·226	519·0	·186	16·0
SE.	·783	·946	− ·163	81·3	81·2	+ 0·1	77·2	70·8	+ 6·4	28·911	·314	− ·403	201·0	·099	22·0
S.	·710	·883	− ·173	83·1	79·1	+ 4·0	78·6	76·6	+ 2·0	·800	·010	− ·210	456·5	·094	88·5
SW.	·729	·819	− ·090	82·1	86·6	− 4·5	78·6	77·8	+ 0·8	·812	28·981	− ·169	1806·0	·109	352·0
W.	·750	·825	− ·075	82·7	83·3	− 0·6	78·1	75·0	+ 3·1	·858	29·061	− ·203	2874·5	·125	420·0
NW.	·817	·805	+ ·012	80·9	79·1	+ 1·8	74 0	71·6	+ 2·4	29·065	·121	− ·056	4387·5	·131	157·0
Normal Value.	29·809	29·845	−0·036	80·5	77·1	+ 3·4	74·9	71·1	+ 3·8	29·090	29·158	− ·138	13348·0	0·133	1113·0

It appears from this Table, that the effect of Clouds is to lessen the Barometric height by about 0·04 in., and to increase the Temperature by about 3° or 4°, and to lessen the Pressure of Dry Air by about 0·14 inches.

The fall of Rain for calm hours was about 19 inches each year. In some instances it was seen that, while it was raining, the sky was but partially clouded, but generally it remained overcast about the time of rain.

SYNOPSIS OF THE WEATHER DURING THE YEAR 1860.

JANUARY.

DURING this month, the 10th, 11th, and 14th were entire cloudless days; but on all the other days the sky was more or less clouded with cirri.

A few patches of cirro-cumuli were seen on the 17th, 21st, and 22nd instant.

The fall of dew was generally noticed and registered often, though after midnight.

FEBRUARY.

There were no clouds in the sky on the 1st and 26th instant; between the 2nd and 12th the sky was partially clouded with cirri; between the 13th and 21st it was more or less clouded with cirro-cumuli; but after the 21st instant dense masses of nimbi were often observed, moving generally landward; on the last two days of this month, cirri were seen scattered along the eastern horizon. During this month there was a copious fall of dew at night.

MARCH.

There were four cloudless days during this month, the 3rd and the three last days. A few cirri were seen in the East on the mornings of the 1st, 2nd, 12th, 21st, 22nd, 23rd, and 27th instant. Between the 8th and 11th, dense masses of nimbi were seen floating eastward, and on all the other remaining days of the month the sky was more or less clouded with cirri and pieces of cirro-cumuli.

APRIL.

During the first week of this month the sky was more or less clouded with cirro-cumuli and cirri, and during the second week it was partially clouded with cirro-cumuli only; but during the latter two weeks of this month, heavy sorts of clouds were often seen moving SE. After the 19th instant, low ranges of cumuli were seen along the E horizon in the afternoon, from which lightning often proceeded: a few drops of rain fell on the 17th and 28th instant.

MAY.

On the morning of the 1st instant, the sky was clouded with dense masses of nimbi and cirro-cumuli, moving northward; lightning and thunder were continuous, but the fall of rain was very light.

Between the 2nd and 19th the sky was more or less clouded with cirri, cirro-cumuli, or nimbi, but the latter mostly prevailed. On the morning of the 20th the display of lightning and thunder, accompanied with rain, was noticed and registered, but in the evening of the same day, lightning only was seen in the E horizon. After the 20th instant, cumuli were now and then seen along the E hor., through which lightning proceeded on the nights of the 23rd and 26th instant; cirri, cirro-cumuli, and nimbi were observed in the sky on several days, but the latter were always present, moving generally SE, but on the 31st, their motion was NE.

JUNE.

During this month masses of cumuli were seen piled about the horizon, through which lightning, often accompanied with thunder, proceeded; cirri, cirro-cumuli, and nimbi were the prevailing clouds of this month; the denser clouds were always seen moving landward. Several thunder storms occurred during this month, but in one case only the force of wind was about fourteen pounds. The following are the remarkable days on which the different phenomena occurred during this month:—

| | | |

only noticed about the middle of the month. The stormy weather appears to have ended after the 27th instant, when heavy clouds were no more visible in the sky either by day or night. The wind was quite abnormal, taking unusual sweeps at times, and sometimes veering round the compass by direct or retrograde motion. The fall of rain during this month was about one half inch greater than the normal fall for October.

The following are the remarkable days in this month :—

Lightning.....	3,		8,	11,	12,	13,	15,	16,	17,	18,	19,	20,	24,	25,	26, 27.
Thunder.....							15,	16,	17,	18,	19.				
Rain	4,	5,						16,	17,	18,	19,	20,			28.
Strong wind							15,	16,		18,			25.		

NOVEMBER.

From the beginning to the 20th instant, the sky remained entirely cloudless, although a few cirri were seen about horzion on the mornings of the 1st and 2nd instant. Between 20th and 25th the sky was more or less clouded by cirro-cumuli. After the 25th instant, the prevailing clouds were cirri, which were seen scattered about the sky, but rather densely on the 28th and 29th instant. The wind blew in soft cold breezes during half the number of days of this month.

DECEMBER.

The sky was densely clouded with cirri and cirro-cumuli about the middle and close of this month; heaps of cumuli were seen generally along the Eastern horizon, through which lightning proceeded, but no thunder was ever heard or noticed; during the remaining days of this month, higher cirri were often visible about horizon.

Tropical winter seems to have set in about the beginning of this month. The fall of dew was frequently noticed about two hours after sunset.

Lightning..... 13, 18, 19, 31.
Fresh breezes of wind. 13, 18, 19, 24.

Before giving a full detail of the weather of this year, a short account of some of the particular phenomena which attended it must be given, in order to make it more clear to our readers.

View of the Horizon at Bombay.—The Island of Bombay is so situated, that one-half of its horizon is bound by the land, and the other half by the sea: from N (by E) to S, or properly SSE, extends the mainlands of India; but the distant Ghauts intercept the perfect view of the horizon, although no hill rises more than a degree in elevation above the proper position of the true horizon. From SSE (by S and W) to NW, the horizon is a perfect sea-line; and from NW to N extend the Malabar Hills, which do not rise anywhere much above the horizon.

The height of the different varieties of clouds is supposed to be as follows:—

Height in Miles.

11 to 8 ..... The different varieties of cirri.
7 to 5 ..... Dense cirri, which sometimes inosculate into nimbi.
4 to 3 ..... Dense cirro-cumuli, which sometimes change into nimbi.
2 to 1 ..... Dense nimbi and cumulo-strati (thunder clouds).
½ ..... Detached masses of nimbi, which float landward.
On the top Mountains .... Dense mists that generally float in the air.

From these given heights, the current of Air at any elevation (below eleven miles) can be found out by the motion of the clouds and their respective heights.

TABLE CV.—*Number of Days of the occurrences of each Phenomena as come under the head "Weather," during the Year* 1860.

Months, 1860.	Number of Days of the occurrences of each Phenomena.									
	Entirely Cloudless Sky.	Almost Cloudless Sky.	Lightning & Thunder, both noticed.	Lightning only noticed.	Thunder only noticed.	Fall of Rain below 0·01 of an inch.	Fall of Rain above 0·01 of an inch.	Force of Wind about 1 pound or more.	Meteorological Disturbance.	Magnetic Disturbance.
January	3	8	—	—	—	—	—	13	2	1
February....	2	1	—	—	—	A few Drops of Rain.	—	7	2	3
March.....	4	6	—	—	—	—	—	10	2	4
April	—	—	1	5	—	3	—	10	3	1
May.....	—	—	1	3	—	2	1	5	5	1
June	—	—	11	4	—	5	18	12	12	—
July.....	—	—	1	1	—	1	23	17	2	3
August.....	—	—	—	—	—	3	20	12	5	4
September ..	—	—	2	4	—	5	15	1	4	2
October	—	1	5	10	—	3	7	5	7	2
November ..	12	2	—	—	—	—	—	12	1	—
December ..	5	1	—	4	—	—	—	4	2	1
Sums	26	19	21	31	—	22	84	108	47	22
Excess in 1860 above the average of the last 7 years....	+5	- 11	+3	0	—	- 5 Above the average of 3 years.	- 17	+9	+9 Above the average of 2 years.	+5 Above the average of 2 years.

TABLE CVI.—*Showing, for each Month, the Mean Portion of the Cloudy Sky, and its Periodic Changes from the Mean of the Year.*

Months, 1860.	Mean Portion of Cloudy Sky.	Difference from the Mean of the Year.	FOR SEASONS.
January	0·5	- 3·0	
February	1·8	- 1·7	Mean of {Jan. Feb. March, Oct. Nov. Dec.} or Winter .... 1·8
March	1·0	- 2·5	
April	2·3	- 1·2	
May	2·8	- 0·7	Mean of {April, May, June, July, Aug. Sept.} or Summer .... 5·9
June.....	6·2	2·7	
July.....	7·0	3·5	Mean of the Year..... 3·5
August.....	6·6	3·1	
September	5·9	2·4	Greatest Monthly Mean in July ..... 7·0
October	4·5	1·0	Least Monthly Mean in January ..... 0·5
November	1·4	- 2·1	
December.....	1·4	- 2·1	Difference ..... 6·5

TABLE CVII.—*Mean Portion of the Cloudy Sky (the whole being equal to eight parts) in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1860.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	0.0	1.4	1.0	2.2	2.5	5.8	7.4	5.8	5.4	4.8	1.1	1.3
1 A. M.	0.2	1.3	1.1	2.5	3.1	6.1	6.9	6.4	5.2	4.7	1.3	1.7
2 ,,	0.0	1.5	1.1	2.5	3.0	6.2	7.1	6.4	5.5	4.8	1.3	1.8
3 ,,	0.1	1.6	1.0	2.5	3.1	6.3	6.8	6.5	5.6	4.3	1.2	1.5
4 ,,	0.2	1.6	1.1	2.2	3.1	5.9	6.5	6.7	5.4	4.2	1.2	1.2
5 ,,	0.2	1.9	1.3	3.4	4.0	7.0	7.5	7.1	6.0	5.0	1.1	1.2
6 ,,	0.4	2.1	1.6	3.5	3.8	6.8	7.5	7.2	6.2	5.7	1.4	1.7
7 ,,	0.6	2.4	1.7	3.5	3.7	6.5	7.5	6.8	6.2	5.8	1.5	1.8
8 ,,	0.6	2.3	1.4	3.7	3.8	6.3	7.5	6.7	6.2	5.3	1.4	1.9
9 ,,	0.9	2.0	1.9	3.6	3.5	6.2	7.5	6.6	6.4	5.1	1.3	2.1
10 ,,	0.9	1.8	1.6	3.0	2.6	6.1	7.5	6.6	6.2	4.2	1.3	1.5
11 ,,	0.8	1.5	1.3	1.9	2.3	5.8	7.3	6.3	6.4	3.6	1.2	1.3
Noon.	0.8	1.5	1.2	1.7	2.2	5.9	7.5	6.6	6.6	4.2	1.1	1.1
1 P. M.	1.1	1.9	0.9	1.8	2.3	5.8	7.7	6.8	5.9	4.0	1.2	1.1
2 ,,	1.1	1.8	0.7	1.9	2.3	6.2	7.7	6.5	5.9.	4.0	1.4	1.2
3 ,,	1.0	1.7	0.8	1.9	2.4	6.5	7.7	6.8	6.0	4.0	1.4	1.2
4 ,,	0.9	1.3	0.7	1.8	2.5	6.4	7.6	6.9	6.1	4.3	1.4	1.4
5 ,,	0.8	2.0	0.6	1.8	2.5	6.3	7.7	6.5	6.9	4.4	1.5	1.5
6 ,,	0.8	2.3	0.9	2.0	2.6	6.3	7.7	6.9	6.4	4.9	1.8	1.4
7 ,,	0.2	1.8	0.5	1.7	2.6	6.1	7.7	6.5	5.8	4.3	1.9	1.0
8 ,,	0.1	1.4	0.5	1.2	2.0	5.8	7.5	6.4	5.9	4.3	1.8	1.1
9 ,,	0.1	1.5	0.3	1.1	2.3	6.0	7.5	5.9	5.4	4.6	1.8	1.2
10 ,,	0.0	1.6	0.5	1.3	2.3	6.0	7.5	6.0	5.1	4.3	1.4	1.6
11 ,,	0.0	1.7	0.6	1.7	2.5	5.6	7.5	6.2	5.3	4.3	1.4	1.7

TABLE CVIII.—*Showing, for the Year* 1860, *the Mean Portion of Cloudy Sky for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean of the Year.*

Bombay Civil Time.	Mean Portion of Cloudy Sky.	Difference from the Mean of the Whole.
Midnight	3·2	− 0·3
1 A. M.	3·4	− 0·1
2 ,,	3·4	− 0·1
3 ,,	3·4	− 0·1
4 ,,	3·3	− 0·2
5 ,,	3·8	0·3
6 ,,	4·0	0·5
7 ,,	4·0	0·5
8 ,,	3·9	0·4
9 ,,	3·9	0·4
10 ,,	3·6	0·1
11 ,,	3·3	− 0·2
Noon.	3·3	− 0·2
1 P. M.	3·4	− 0·1
2 ,,	3·4	− 0·1
3 ,,	3·5	0·0
4 ,,	3·4	− 0·1
5 ,,	3·5	0·0
6 ,,	3·7	0·2
7 ,,	3·3	− 0·2
8 ,,	3·2	− 0·3
9 ,,	3·1	− 0·4
10 ,,	3·1	− 0·4
11 ,,	3·2	− 0·3

FOR DAY AND NIGHT.

Mean of { 6, 7, 8, 9, 10, 11 P. M. / Mid. 1, 2, 3, 4, 5 A. M. } or Night .... 3·3

Mean of { 6, 7, 8, 9, 10, 11 A. M. / Noon, 1, 2, 3, 4, 5 P. M. } or Day ..... 3·6

Mean Annual ..... 3·5

TIMES OF MEAN MAXIMUM AND MINIMUM.

A Maximum at 6 and 7 A. M.
A Minimum at 9 and 10 P. M.

TABLE CIX.—*Showing, for the Year* 1860, *the Hours of Bombay Civil Time at which the Mean Portion of Cloudy Sky, in each Month, was at its Maximum and Minimum.*

Months, 1860.	The Mean Hourly Extent of Cloudy Sky.		Mean Diurnal Range.	The Time at which the Mean Hourly Extent of Cloudy Sky was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
				H.	H.
January	1·1	0·0	1·1	1 & 2 P. M.	Uncertain.
February	2·4	1·3	1·1	7 A. M.	,,
March	1·9	0·3	1·6	9 ,,	9 P. M.
April	3·7	1·1	2·6	8 ,,	9 ,,
May	4·0	2·0	2·0	5 ,,	8 ,,
June	7·0	5·6	1·4	5 ,,	11 ,,
July	7·7	6·5	1·2	Uncertain.	4 A. M.
August	7·2	5·8	1·4	6 A. M.	Midnight.
September	6·9	5·1	1·8	5 P. M.	10 P. M.
October	5·8	3·6	2·2	7 A. M.	11 A. M.
November	1·9	1·1	0·8	7 P. M.	Uncertain.
December	2·1	1·0	1·1	9 A. M.	7 P. M.

TABLE CX.—*Fall of Rain in Inches, measured by Newman's Gauge, for each Day of Bombay Civil Time.*

Date, 1860.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
					in.	in.	in.	in.	in.	in.		
1						0.06	2.04	0.53				
2							0.76	0.19				
3						0.06	0.24	0.19	0.24			
4							0.37	0.08	1.09	0.10		
5							0.27	0.10	3.25	0.96		
6							1.42	1.21	1.24			
7							0.84	0.42	0.93			
8							4.17	0.53	0.17			
9							2.51	0.89	0.13			
10						2.40	0.24	0.41	0.01			
11						1.24	0.10	0.10	0.14			
12						1.50	0.01	0.02				
13						7.31	0.00	0.32				
14						2.54	0.16	0.03				
15						0.08	0.12	0.14	0.03			
16						0.22	2.42	0.29		0.25		
17							0.06	0.83		0.15		
18							0.32	0.37	0.08	0.08		
19						0.01	3.07	0.01		0.62		
20					0.03	1.43	1.52	0.04		0.01		
21						0.21	0.66		0.01			
22						1.60	0.07	0.09				
23						0.01	0.46	0.18				
24							0.10					
25						0.08	0.04					
26							0.00		0.09			
27						0.24	0.09		0.74			
28						0.27	0.31			0.33		
29						1.82	0.01	0.05				
30						0.89	0.01	0.01				
31							0.00					

TABLE CXI.—*Showing, for each Month, the fall of Rain, as measured by Newman's Gauge, and the Number of Rainy Days.*

Months, 1860.	Fall of Rain.	Number of Rainy Days.	FOR SEASONS.	
January				in.
February			Mean of { Jan. Feb. March, / Oct. Nov. Dec. } or Winter....	2·50
March				
April				
May	0·03	1		
June	21·97	19	Mean of { April, May, June, / July, Aug. Sept. } or Summer....	59·65
July	22·39	28		
August	7·11	25		
September	8·15	14	Mean of the Year.....	62·15
October	2·50	8		
November.....				
December.....				

TABLE CXII.—*Fall of Rain by Newman's Gauge, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1860.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
					in.	in.	in.	in.	in.	in.		
Midnight.						0.36	1.15	0.19	0.18	0.01		
1 A. M.						2.52	0.98	0.16	0.21	0.03		
2 „						0.83	0.57	0.30	0.20	0.02		
3 „						1.60	2.63	0.18	0.27			
4 „						2.68	0.67	0.42	1·53	0.16		
5 „					0.03	1.37	1.03	0.78	0·79	0.19		
6 „						0.82	1.04	0.64	0.25			
7 „						0.47	1.76	0.36	0.16			
8 „						0.36	0.91	0.20	0.30	0.20		
9 „						1.56	0.41	0.38	0.01	0.33		
10 „						0.49	0.50	0.25				
11 „						0.21	1.42	0.41	0.23			
Noon.						1.01	1.95	0.21	0.45			
1 P. M.						0.74	1·15	0.19	0.20			
2 „						0.17	0.81	0.30	0.11			
3 „						0.31	0·88	0.06	0·15			
4 „						0.67	0.15	0.25	0.10			
5 „						0·28	0.20	0.12	0.18			
6 „						0.58	0.54	0.12	0.43	0.50		
7 „						0.33	0·87	0.15	0.39	0.25		
8 „						0.66	0.72	0.50	1.14	0.11		
9 „						1.73	0.61	0.21	0.21	0.09		
10 „						0.70	0.42	0.02	0.28	0.11		
11 „						1.52	1.02	0.71	0.38			

TABLE CXIII.—*Fall of Rain in Inches by Osler's Gauge, for each Day of Bombay Civil Time.*

Date, 1860.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
					in.	in.	in.	in.	in.	in.		
1							2.01	0·48				
2						0.06	0.78	0.19				
3							0.23	0.17	0.24			
4						0.06	0.38	0.07	0·14	0.15		
5							0.28	0.10	3.17	1.03		
6							1.37	1.20	1.25			
7							0.90	0.43	1.02			
8							4.06	0·55	0.16			
9							2.52	0.93	0.14			
10						2.23	0.20	0.39	0.01			
11						1.18	0.13	0.10	0.17			
12						1.36		0·02				
13						6.60		0·36				
14						2.47	0.16	0.03				
15						0.12	0.13	0.14	0.04			
16						0.24	2.43	0.28		0.15		
17							0.06	0.87		0.18		
18							0.28	0.33	0.09	0.08		
19						0.03	3.16	0.01		0.52		
20					0.03	1.35	1.62	0.04		0.01		
21						0.20	0.72		0.01			
22						1.65	0.12	0.11				
23						0.01	0.51	0.16				
24							0.13					
25						0.10	0.03					
26									0.13			
27						0.26	0·09		0.70			
28						0.22	0.24			0.28		
29						1.81	0·01	0.05				
30						0.94	0.01	0.02				
31												

TABLE CXIV.—*Showing, for each Month, the Fall of Rain by Osler's Gauge, and the Number of Rainy Days.*

Months, 1860.	Fall of Rain.	Number of Days it fell.	FOR SEASONS.
	in.	D	
January			
February			
March			Mean of { Jan., Feb., March, / Oct., Nov., Dec. } or Winter..... in 2.40
April.....			
May.....	0·03	1	
June.....	20·89	19	Mean of { April, May, June, / July, Aug., Sept. } or Summer.... 58.78
July.....	22·56	28	
August.....	7·03	25	
September	8·27	14	Total in the Year..... 61.18
October	2 40	8	
November			
December.....			

t—1860.

TABLE CXV.—*Fall of Rain in Inches by Osler's Gauge, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1860.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
					in.	in.	in.	in.	in.	in.		
Midnight.						0.32	1.12	0·16	0.17	0.01		
1 A. M.						2.41	0.94	0.18	0.22	0.01		
2 „						0.87	0.63	0.31	0.18	0.02		
3 „						1.52	2.50	0.12	0·28			
4 „						2.28	0.78	1.00	1.51	0.14		
5 „					0.03	1.86	1.04	0.45	0.78	0.21		
6 „						0.42	1.00	0.33	0.30			
7 „						0.39	1.79	0.34	0.06			
8 „						0.35	0·90	0.22	0.41	0.20		
9 „						1.48	0.40	0.36	0.02	0.90		
10 „						0.55	0.49	0.24				
11 „						0.19	1.56	0.42	0.24			
Noon.						0.95	2.12	0.15	0.53			
1 P. M.						0.63	1·12	0.23	0.18			
2 „						0.23	0.70	0.27	0.11			
3 „						0.31	0.93	0.06	0.15			
4 „						0.63	0.18	0.24	0.23			
5 „						0.22	0.18	0.12	0.08	0.07		
6 „						0.57	0.54	0.12	0.51	0.43		
7 „						0.34	0.86	0.15	0.28	0.18		
8 „						0.63	0.75	0.53	1.11	0.09		
9 „						1.63	0.56	0.20	0.24	0·04		
10 „						0.54	0.63	0.02	0.31	0.10		
11 „						1.57	0·79	0.76	0.37			

TABLE CXVI.—*Showing, for the Year* 1860, *the Fall of Rain for each hour of Bombay Civil Time, as measured by Newman's and Osler's Rain Gauges.*

Bombay Civil Time.	Fall of Rain by Newman's Gauge.	Fall of Rain by Osler's Gauge.
	in.	in.
Midnight.	1·89	1·78
1 A. M.	3·90	3·76
2 „	1·92	2·01
3 „	4·68	4·42
4 „	5·46	5·71
5 „	4·19	4·37
6 „	2·75	2·10
7 „	2·75	2·58
8 „	1·97	2·08
9 „	3·19	3·16
10 „	1·24	1·28
11 „	2·27	2·41
Noon.	3·62	3·75
1 P. M.	2·28	2·16
2 „	1·39	1·31
3 „	1·40	1·45
4 „	1·17	1·28
5 „	0·78	0·67
6 „	2·17	2·17
7 „	1·99	1·81
8 „	3·13	3·11
9 „	2·85	2·67
10 „	1·53	1·65
11 „	3·63	3·49

FOR DAY AND NIGHT.

	Newman. in.	Osler. in.
Mean of {6, 7, 8, 9, 10, 11 P. M. / Mid. 1, 2, 3, 4, 5 A. M.} or Night ..	37.34	36·95
Mean of {6, 7, 8, 9, 10, 11 A. M. / Noon. 1, 2, 3, 4, 5 P. M.} or Day	24·81	24·23
Total Fall during the year	62·15	61·18

TIMES OF MEAN MAXIMUM AND MINIMUM.

A Maximum fall in the morning.
A Minimum fall quite uncertain.

METEOROLOGICAL DISTURBANCES IN 1860.

Under this head are included all the storms, whether of wind, lightning, or thunder; extraordinary clouded state of the sky; great falls in Barometer; or anything unusual in the state of the atmosphere.

Storms coming from different directions in Cold, Dry, or Rainy season, are attended with different phenomena, which are well described in the Volume for 1849.

TABLE CXVII.—*Showing the state of Weather, height of Barometer, temperature of Air, and direction of Wind in several Meteorological Disturbances which occurred during the Year* 1860.

Month and Date.		Barometer.		Temperature.		Pressure of Moisture.	Wind.		Remarks on the State of Weather.
		Mean Daily Height.	Excess above the Average.	Mean Daily Temperature.	Excess above the Average.		Direction.	Maximum Force.	
		in.	in.			in.		lbs.	
January	11	29·911	−0·037	76°0	+ 3°0	0·554	Regular.	0·2	Fresh breezes of wind in the evening.
„	19	·943	+0·000	73·6	+ 0·9	·604	Abnormal.	light.	Ditto ditto.
February	13	·828	−0·052	78·4	+ 3·1	·710	Circular.	do.	Barometer lower than usual.
„	22	·803	−0·065	78·4	+ 1·8	·721	Regular.	1·0	Barometer lower; fresh breezes of wind.
March	3	·809	−0·049	77·9	+ 0·0	·660	Do.	1·0	Ditto ditto.
„	22	·792	−0·030	80·6	+ 0·6	·764	Circular.	1·0	Ditto ditto.
April	9	·743	−0·087	80·8	− 0·4	·838	Abnormal.	light.	Barometer lower than usual.
„	17	·857	+0·035	81·9	+ 0·1	·841	Regular.	1·5	Drops of rain.
„	28	·800	+0·000	82·0	− 1·2	·921	Do.	light.	Drops of rain and low Barometer.
May	2	·717	−0·073	85·1	+ 1·6	·928	Circular.	1·5	Cumuli in hor.; low Barometer.
„	21	·741	+0·000	84·4	− 0·4	·932	Regular.	1·0	Drops of rain; low Barometer.
„	23	·715	−0·017	84·3	− 0·3	·889	Monsoonish.	light.	Lightning in E.
„	26	·703	−0·019	86·3	+ 1·7	·915	Do.	do.	Ditto.
„	27	·693	−0·025	86·3	+ 1·7	·906	Do.	do.	Low Barometer.
June	2	·763	+0·067	88·1	+ 3·7	·966	Abnormal.	0 2	Lightning, thunder, and rain.
„	4	·711	+0·023	86·7	+ 2·4	·958	Do.	0·6	Lighting, thunder, and rain.
„	6	·670	+0·010	86·9	+ 2·7	·995	Monsoonish.	0·7	Ditto ditto.
„	11	·525	−0·151	81·7	− 2·3	·938	Circular.	0·6	Ditto ditto.
„	12	·496	−0·166	81·8	− 2·2	·965	Do.	0·8	Ditto ditto.
„	13	·556	−0·102	79·0	− 4·9	·954	Monsoonish.	1·0	Ditto ditto.
„	14	·568	−0·086	79·7	− 4·2	·940	Monsoon.	16·5	Lightning and rain in the morning.
„	20	·686	+0·039	82·4	− 1·0	·941	Do.	0·2	Lightning, thunder, and rain.
„	21	·650	+0·004	81·1	− 2·2	·944	Abnormal.	0·4	Lightning and rain.
„	22	·640	−0·006	80·3	− 2·9	·904	Circular.	3 8	Lightning & thunder in the morning.
„	23	·681	+ 0·036	82·1	− 1·0	·925	Do.	0·3	Light rain.
„	29	·695	+ 0·054	80·7	− 1·8	·926	Do.	2·3	Lightning, thunder, and rain.
July	3	·530	−0·107	79·8	− 2·4	·953	Monsoonish.	2·0	Light rain.
„	17	·610	−0·026	81·4	+ 0·4	·936	Do.	2 0	Ditto.
August	8	·618	−0·082	79·1	− 2 0	·892	Regular.	2·8	Smart showers of rain.
„	14	·685	−0·033	79·9	− 1·1	·889	Do.	2·0	Very light rain.
„	18	·661	−0·062	79·0	− 2·0	·898	Do.	0·4	Light rain.
„	22	·745	+0·020	81·9	+ 0·9	·889	Do.	0·4	Very light rain.
„	30	·765	+0·036	82·6	+ 1·5	·881	Do.	0·3	Light rain on the 29th instant.
September	5	·646	−0·086	78·7	− 2·4	·906	Monsoon.	0·7	Lightning and rain.
„	15	·736	+0·001	82·4	+ 1·2	·900	Do.	0·5	Very light rain.

TABLE CXVII.—*(continued.)*

Month and Date.	Barrometer.		Temperature.		Pressure of Moisture.	Wind.		Remarks on the State of Weather.
	Mean Daily Height.	Excess above the Average.	Mean Daily Temperature.	Excess above the Average.		Direction.	Force Maximum.	
	in.	in.			in.		lbs.	
September 27	29·695	−0·075	81°2	− 0°7	0·908	Monsoon.	0·5	Lighting, thunder, and rain.
,, 28	·677	−0·091	82·8	+ 0·8	·948	Circular.	0·2	Do. do.
October 11	·750	−0·050	84·9	+ 1·9	·900	Abnormal.	0·4	Lightning after sunset.
,, 15	·780	−0·029	83·4	+ 0·2	·906	Do.	2·7	Lightning, thunder, and rain.
,, 16	·771	−0·039	82·6	− 0·5	·905	Do.	14·0	Do. do.
,, 17	·768	−0·013	82·3	− 0·6	·864	Do.	0·8	Do. do.
,, 18	·793	−0·019	33·9	+ 1·1	·942	Do.	1·5	Do. do.
,, 19	·817	+0·004	81·9	− 0·7	·933	Do.	0·4	Do. do.
,, 24	·776	−0·041	84·8	+ 2·9	·966	Circular.	0·4	Lightning after sunset.
November 9	·848	+0·001	75·8	− 2·7	·932	Regular.	1·5	Barometer low ; fresh breezes of wind.
December 19	·917	−0·049	79·3	+ 2·5	·705	Do.	1·0	Lightning in E., with cloudy sky.
,, 21	·678	+0·000	80·0	+ 3·4	·701	Do.	Light.	Lightning in E. hor., with dense ⌇ and ⌇.

TABLE CXVIII.—*Showing the principal Wind Storms that occurred at Bombay during the year* 1860.

Month and Date.	The Storm's first appearance in Bombay on the horizon in the form of ⌒.	The Storm first breaks over the Observatory.	Approximate time when it is over.	The Direction from which it comes on.	Maximum Force of Wind during its continuance.	REMARKS.
					lbs.	
June 14	11th June	6h. 15m. P M. on the 14th.	6h. 36m. P. M. on the 14th	WSW	16.4	From the 11th instant lightning and thunder was noticed after sunset ; but on the 14th it was densely clouded with ⌇, moving NE ; cumuli discernable along the E. hor. in the afternoon. Wind, lightning, and rain after sunset.
,, 22	1h. P. M. on the 22nd.	7h. 10m. P. M. on the 29th	8h. 15m. P. M. on the 22nd.	WNW	3·8	Sky overcast ; lightning, thunder, and rain in the morning; slight rain at the beginning of the storm
,, 29	Overcast with ⌇.	11h. 20m. A.M. on the 29th.	11h. 40m. P.M. on the 29th.	,,	2·3	Lightning, thunder, and rain in the morning ; a slight squall at about noon.
August 8	Sky overcast	——	——	Between W and S	2·8	Occasional squalls, with light rain.
October 15	2h. P. M. on the 15th.	3h. 20m. P. M.	3h. 55m. P. M.	Shifting and changing.	3·0	Cumuli were visible, and the sky had a gloomy appearance since the 11th instant. On the 15th and 16th instant the sky was densely clouded
,, 16	2h. P. M. on the 16th inst.	6h. 26m. on the 16th inst.	5h. 50m. P. M. on the 16th inst.	E	14·0	with ⌇, ⌇, and ⌇ ; ⌒ were distinctly visible in the afternoon : there was an ugly appearance in NE on these days.

TABLE CXIX.—*Showing the Mean Hourly, Monthly, and Annual Values of Meteorological Elements, as deduced from the Results of the last Thirteen Years,* 1847—60 *(inclusive).*

Bombay Civil Time.	Standard Barometer No. 68, corrected	Temperature of External and Free Air.	Temperature of Air within the Observatory by L. H. F. Thermometer.	Temperature of Air in contact with the Surface of Ground.	Temperature of Ground nine inches below its Surface.	Temperature of W. Bulb Thermometer.	Temperature of deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Pressure of supposed Dry Air.	Weight in Grains of a Cubic Foot of Common Air.	Weight in Grains of Vapour in a Cubic Foot of Common Air.	Weight in Grains of Vapour required for complete Saturation of a Cubic Foot of Common Air.	Deduced quantity of Water Evaporated in the Air.	Azimuth of Wind.	Force of Wind.	Extent of Cloudy Sky.	Fall of Rain.	Mean Values.
	in.			*	*			in.			grs.	grs.	grs.	in.	°	lb.			
Midnight.	29·809	77°2	81°8	78°1	81°1	73°6	72·0	0·777	0·85	29·032	·505	8·4	1·5	0·006	– 53	0·13	3·4	2·86	
1 A. M.	·796	77·0	81·6	77·9	81·1	73·4	71·9	·775	·85	·021	·505	8·4	1·5	·006	– 51	·13	3·4	3·10	
2 „	·786	76·6	81·4	77·6	81·0	73·2	71·8	·773	·86	·013	·505	8·4	1·5	·005	– 48	·14	3·5	3·11	Night.
3 „	·778	76·4	81·2	77·4	80·9	72·9	71·5	·762	·85	·016	·505	8·1	1·5	·006	– 46	·14	3·4	2·95	
4 „	·780	76·1	81·0	77·1	80·8	72·7	71·3	·760	·86	·020	·505	8·1	1·5	·005	– 42	·13	3·4	3·46	
5 „	·790	75·8	80·8	76·8	80·8	72·5	71·1	·755	·86	·035	·506	8·1	1·5	·005	– 41	·13	3·7	3·25	
6 „	·808	75·8	80·6	76·6	80·7	72·2	71·1	·755	·89	·053	·506	8·1	1·5	·005	– 39	·11	4·0	3·01	
7 „	·831	76·8	80·6	77·2	80·7	73·2	71·6	·767	·84	·064	·506	8·4	1·5	·006	– 34	·11	4·0	3·28	
8 „	·851	79·4	81·2	78·3	80·7	74·2	72·0	·776	·79	·075	·501	8·4	2·4	·009	– 32	·12	3·9	3·36	
9 „	·863	81·5	82·1	79·4	80·8	75·0	72·3	·784	·74	·079	·499	8·4	3·1	·011	– 31	·13	3·8	3·60	
10 „	·861	83·1	83·1	80·4	81·0	75·5	72·3	·784	·70	·077	·498	8·4	3·5	·014	– 33	·14	3·6	3·16	
11 „	·848	84·2	83·9	81·2	81·1	75·9	72·6	·791	·69	·057	·497	8·6	3·6	·015	– 41	·15	3·5	2·90	
Noon.	·826	85·1	84·6	81·9	81·2	76·1	72·5	·788	·67	·037	·494	8·3	4·2	·016	– 53	·19	3·4	2·72	Day.
1 P. M.	·801	85·6	85·2	82·6	81·4	76·5	72·8	·796	·66	·005	·493	8·6	4·3	·017	– 63	·26	3·5	2·67	
2 „	·779	85·5	85·4	82·9	81·5	76·7	73·1	·804	·67	28·975	·492	8·6	4·3	·016	– 66	·32	3·4	2·53	
3 „	·765	85·0	85·4	82·9	81·6	76·6	73·1	·804	·68	·961	·493	8·7	3·9	·015	– 67	·38	3·4	3·12	
4 „	·760	84·2	85·1	82·6	81·6	76·4	73·2	·807	·70	·953	·495	8·6	3·6	·014	– 68	·35	3·5	2·41	
5 „	·766	82·5	84·4	81·7	81·6	75·9	73·1	·804	·74	·962	·496	8·7	3·1	·012	– 66	·34	3·6	2·18	
6 „	·778	80·7	83·6	80·7	81·5	75·2	72·9	·798	·78	·980	·498	8·7	2·4	·010	– 64	·33	3·7	2·47	
7 „	·796	79·8	83·1	80·1	81·4	74·9	72·9	·798	·80	·998	·500	8·7	2·1	·008	– 61	·33	3·4	2·65	
8 „	·813	79·3	82·8	79·6	81·4	74·7	72·7	·791	·81	29·022	·502	8·7	1·8	·008	– 60	·28	3·1	2·96	Night.
9 „	·826	78·6	82·5	79·2	81·3	74·3	72·3	·783	·82	·043	·502	8·4	2·1	·007	– 58	·20	3·1	2·62	
10 „	·828	78·0	82·2	78·8	81·3	73·9	72·1	·778	·83	·050	·504	8·4	1·8	·007	– 56	·15	3·2	3·30	
11 „	·821	77·6	82·0	78·4	81·2	73·7	71·9	·775	·84	·046	·504	8·4	1·8	·006	– 55	·13	3·2	2·91	
January	29·934	73·9	77·6	72·1	74·3	67·8	74·7	0·611	·74	29·323	·511	6·7	2·3	6·581	– 5	0.19	1·3	0·03	
February ..	·907	75·8	78·9	75·0	76·2	69·0	74·5	·628	·71	·279	·508	6·9	2·7	7·002	– 18	·20	1·2	0·00	Winter.
March.....	·855	79·9	82·4	78 4	79·0	73·4	70·4	·737	·74	·118	·501	8·0	2·8	8·151	– 13	·23	1·5	0.00	
April	·795	83·1	85·1	81·0	81·6	76·6	74·0	·828	·75	28·967	·496	9·0	2·9	8·291	– 49	·27	1·9	0·07	
May	·744	85·6	87·3	84·2	84·5	79·0	76·5	·895	·75	·849	·492	9·8	2·8	9·143	– 82	·29	3·2	0 88	
June	·648	83·3	85·2	83·5	85·0	79·3	77·9	·936	·85	·712	·493	10·1	1·8	5·180	–123	·38	6·4	23·54	Summer.
July	·644	81·2	83·3	81·0	82·9	78·4	77·4	·921	·88	·723	·496	10·0	1·2	3·697	–114	·46	7·2	24·28	
August	·717	80·5	82·6	80·6	82·6	77·3	76·0	·885	·87	·832	·498	9·6	1·4	4·130	– 99	·30	7·0	9·36	
September ..	·772	80·3	82·6	81·0	83·0	76·8	75·5	·867	·86	·905	·499	9.4	1·5	4·282	– 79	·17	5·8	9·69	
October	·829	81·7	84·3	82·7	81·3	77·0	75·2	·860	·81	·969	·599	9·3	2·1	6·126	– 22	·15	3·3	2·08	
November ..	·898	79·4	82·7	78·1	80·8	72·4	69·2	·708	·72	29·190	·503	7·7	2·9	8·311	– 6	·14	1·7	0·60	Winter.
December ..	·935	75·9	79·6	77·0	79·7	69·1	65·5	·630	·71	·305	·508	6·8	2·8	7·811	– 0	·15	1·4	0·08	
Annual Mean.	29·807	80·05	82·64	79·6	81·2	74·6	72·9	0·792	0·78	29·015	·500	8·6	2·3	78·704	– 51	0·24	3·5	70·61	

* This sign denotes that the numbers given in that column are the Means of one Year only.

SUMMARY OF THE METEOROLOGICAL RESULTS.

BAROMETER.

The normal height, though fluctuating, was decreasing from January to July, and it had a gradual rise from July to the close of the year.

The mean daily height of barometer did not exceed 30·06 inches, and never fell below 29·42 inches.

The differences between the mean daily heights of barometer, on two consecutive days, did not exceed 0·20 inches; the difference being generally less than 0·06 inches.

The daily fluctuations of barometer in simple hourly observations ranged between 0·05 and 0·20 inches.

The daily ranges were larger in winter than in summer; there were many instances in which the range of barometer was greater than 0·10 inches.

The maximum rise generally occurred one or two hours before noon and midnight; and the minimum fall occurred at about one or two hours before sunrise and sunset. The actual height of barometer was larger at its morning maximum than at its evening maximum; and the height generally lower in the evening minimum than in the morning minimum; the time of evening maximum pretty nearly constant.

If the mean height of barometer is to be determined from two observations taken daily, the hours best suited for this purpose will be 5 A. M. and 11 P. M., 8 A. M. and 4 P.M., or from 6 A. M. only.

The N and E winds increase the barometric readings, and the S and W winds decrease them.

TEMPERATURE.

The mean daily temperature of air increased (though irregularly) from the middle of January to the end of May, or about the beginning of June—it was depressed a little in June; but in the next four months (July to October) it was nearly equal to the mean annual temperature; after the month of October, the temperature gradually decreased to the end of December. The depression of temperature in the rainy season was supposed to be the effect of dense clouds then prevalent in the sky; the clouds having refracted the solar rays, did not allow the light to act freely on the atmospheric air, which extends from the earth to the clouds.

It appeared from the preceding results, that the effect of temperature on the direction of wind was slower in winter than in dry days, the effect of maximum temperature of air was quicker than the effect of minimum temperature, the effect of one degree of temperature on the azimuth of wind was to shift the wind 6° westward.

During the year 1860, the temperature of air fluctuated between 94° and 59°, and never exceeded these limits.

The differences between the mean daily values of any two consecutive days did not exceed 5°, and in many cases were found to be less than 2°, but greater than 1°.

The temperature of air in the Observatory, and in contact with the ground, was effected by the clouds; and the same factors given for free air might, with a slight alteration, answer for any other temperature.

The daily range of temperature of free and external air did not exceed 23°, and was generally between 15° and 10°.

The daily ranges in the temperature of ground below 20 inches of its surface were indiscernible; but a regular rise and fall of temperature was observed from one season to the other. Periodical changes in the temperature of ground varies according to the depth of ground. The periodical changes of temperature at six inches below the surface of ground was about 15°, but at the depth of 144 inches reduced to only 2°.

The maximum temperature of air occurred between noon and 3 P. M., and the minimum temperature at about sunrise in winter, but in summer the times of occurrences were uncertain.

If the mean temperature of air is to be ascertained from two observations taken daily, the hours best suited for this will be 4 A. M. and 4 P. M., or 9 A. M. and 9 P. M.; if the observation of 8 A. M. be unaffected by clouds, it will answer near enough to the true mean daily temperature.

The combination of observations of 4 A. M. and 4 P. M. will be the best for ascertaining the mean temperature of air and ground under different situations.

The temperature of external and free air was more uniform at night than in the day time.

The fall of temperature from midnight to 6 A. M. was small but regular; after sunrise, temperature rose rapidly till 11 A. M.; from noon to 2 P. M. or 3 P. M. the rise was moderate; between 2 and 5 P. M. was a moderate fall of temperature, but at about sunset a large fall was experienced; after sunset a gradual fall was observed throughout the night.

WET BULB THERMOMETER.

The temperature of evaporation or wet bulb thermometer increased, though irregularly, from the month of January to July, and fell from July to December. In June and July the temperature of evaporation coincided with the mean annual temperature of air. The presence of clouds in the sky had the effect of increasing the temperature of evaporation.

The difference between the mean daily values of two consecutive days in many instances had remained between 1° or 2°, and it had seldom exceeded 6°. The temperature of evaporation ranged between 85° and 55° Fahr. The daily range of temperature of evaporation never exceeded 20°, and was not lower than 2°. In many instances it had ranged between 3° and 8°. The daily ranges were higher in winter than in summer.

A perceptible rise of temperature after sunrise, and a fall of temperature at about sunset were observed in the hourly changes of evaporation. An apparent change at noon was frequently noticed in temperature of evaporation in winter. The times of maximun and minimum temperature of evaporation were quite irregular and variable.

If the mean daily temperature of evaporation is to be ascertained from two observations taken daily, the hours supposed to be best are 5 A. M. and 2 P. M., or 9 A. M. and 9 P. M. If more than a single combination be used, the deduced mean will be more correct. The temperature of evaporation was high for S and E winds, and it was low for N and W winds. This shows that the evening breezes, which generally blow from NW or W, bring with them moisture in their passage over the water, causing thereby an abrupt change in the afternoon temperature of evaporation as heretofore noticed.

WIND.

There were about 56 days on which the direction of wind was abnormal during this year. The wind made 40 turns round the compass. There were about 14 days out of 310 on which the force of wind was greater than 4 pounds, and about 95 days on which the force was higher than one pound. Monsoonish wind blew in summer, and land and sea breezes in winter. The direction of wind was S or SW in summer, and in winter the direction was northwesterly or westerly in the evening, and landward or easterly in the morning. The duration of W or NW was greater than any other winds. The greatest force was recorded under SW wind ; the direction of the resultant force was in WNW point of the compass, and its mean force was about 0·5 lbs.

The temperature of different winds, calculated from the observation of the winter wind, during this year was as follows :—

N = 76.3	E = 79.7	S = 83.1	W = 82.7
NE = 77.4	SE = 81.3	SW = 82.1	NW = 80.9

The above given temperature was the observed temperature of wind, but the actual temperature might differ greatly from these values, as the wind does not change its direction simultaneously with the change in the temperature of air.

WEATHER.

There were about 26 entire cloudless days during this year, and about 19 days on which the mean extent of clouds was less than $\frac{1}{8}$th part of the visible sky. Cirri prevailed generally during the dry days in winter; cirro-cumuli were seen in both seasons of the year; cumuli and cumulo-strati were seen about the beginning and ending of the monsoon, or about the time of occurrence of meteorological disturbances; nimbi were seen in SW monsoon or in the rainy season, or in any storms, whether of lightning, thunder, or wind.

The total fall of rain during this year was 62·15 inches, being about 6·35 inches less than the mean fall of the last fourteen years. The greatest fall of rain was registered in July, and none in January and March, November and December; there were about 22 days on which the fall of rain was less than 0·01 of an inch.

Lightning was registered in April, May, June, July, September, October, and December. There were about 21 days on which lightning was seen in the sky accompanied with thunder.

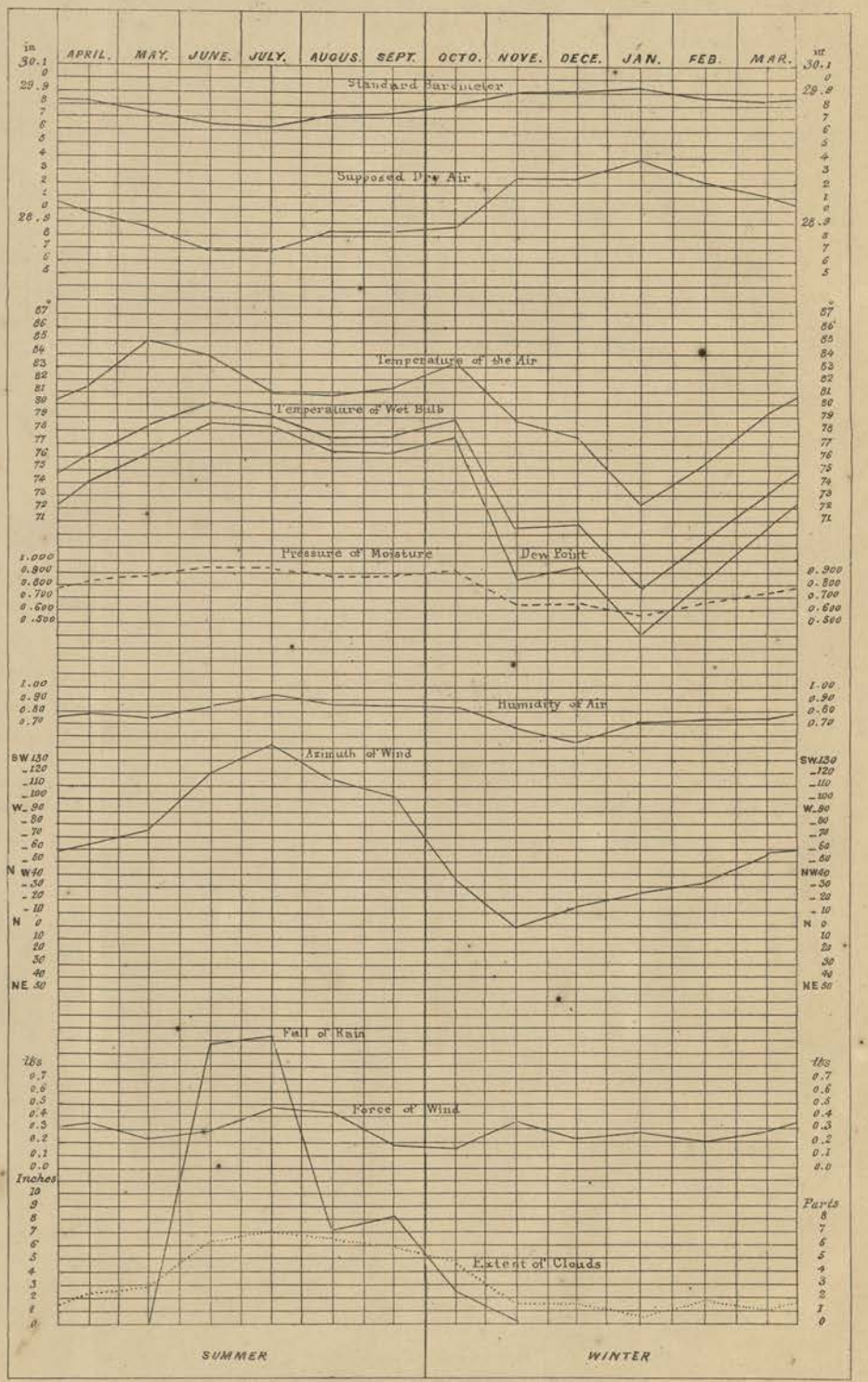
DISTURBANCES.

There were about 47 days on which the meteorological state of atmosphere was to a certain degree disturbed, but there were only 6 days on which the force of wind was above 2·8 pounds. Wind storms were generally followed by a low barometer, high and sultry temperature, the sky cloudy, and wind abnormal.

TABLE CXX.—*Showing the Changes of All the Meteorological Elements during the Year* 1860, *reduced from the separate Results of each Element in the preceding pages.*

Names of Elements.	Diurnal Ranges.			Periodical Change.			Difference between Night and Day.		
	Winter.	Summer.	Mean Range.	Mean Value in Winter.	Mean Value in Summer.	Annual Mean.	Mean for Day Time.	Mean for NightTime	Differences
Standard Barometer No. 58	0·120	0·091	0·105	29·894	29·729	29·804	29·811	29·798	0·013
Temperature of free air.....	12·6	7·0	9·8	77·7	82·3	80·0	82·0	78·0	4·0
Temperature of air within the Observatory.....	6·3	3·4	4·9	80·5	84·0	82·3	83·0	81·6	1·4
Temperature of ground one inch below the surface	8·3	4·6	6·4	77·2	81·9	79·6	80·6	78·5	2·1
Temperature of ground 9 inches below its surface.....	1·1	0·8	1·0	79·1	83·3	81·2	81·2	81·2	0·0
Temperature of ground 20 inches below its surface.....	*	*	*	80·6	83·7	82·2	82·2	82·2	0·0
Temperature of ground 60 inches below its surface.....	*	*	*	82·8	84·3	83·6	83·6	83·6	0·0
Temperature of evaporation	5·7	2·8	4·3	71·4	78·2	74·8	75·4	74·2	1·2
Temperature of dew point.....	4·8	1·6	3·2	68·4	76·6	72·5	72·4	72·6	0·2
Pressure of moisture.....	0·102	0·068	0·085	0·699	0·902	0·800	0·800	0·800	0·000
Humidity of air..	0·26	0·15	0·20	0·74	0·84	0·79	0·74	0·85	0·11
Pressure of supposed dry air.....	0·174	0·094	0·134	29·188	28·820	29·004	29·010	28·998	0·012
Weight (in grains) of a cubic foot of common air.....	16	9	12	505	496	501	498	503	5
Weight of vapour in a cubic foot of common air (in grains)	1·1	0·5	0·8	7·6	9·6	8·6	8·6	8·7	0·1
Weight (in grains) of vapour, required for complete saturation of a cubic foot of common air	3·8	2·2	3·0	2·5	1·9	2·2	2·9	1·5	1·4
Quantity of water evaporated	0·015	0·009	0·012	44·102	32·190	76·292	0·012	0·006	0·006
Azimuth of wind	-76	-25	-51	-27	-103	-65	-63	-67	4
Force of wind.....	0·56	0·46	0.51	2·25	0·33	0·29	0·32	0·26	0·06
Extent of cloudy sky.....	1·3	1·7	1·5	1·8	5·9	3·5	3·6	3·3	0·3
Fall of rain by Newman's gauge ..	*	*	*	2·50	59·65	62·15	24·81	37·34	12·53

MONTHLY VARIATION OF METEOROLOGICAL ELEMENTS

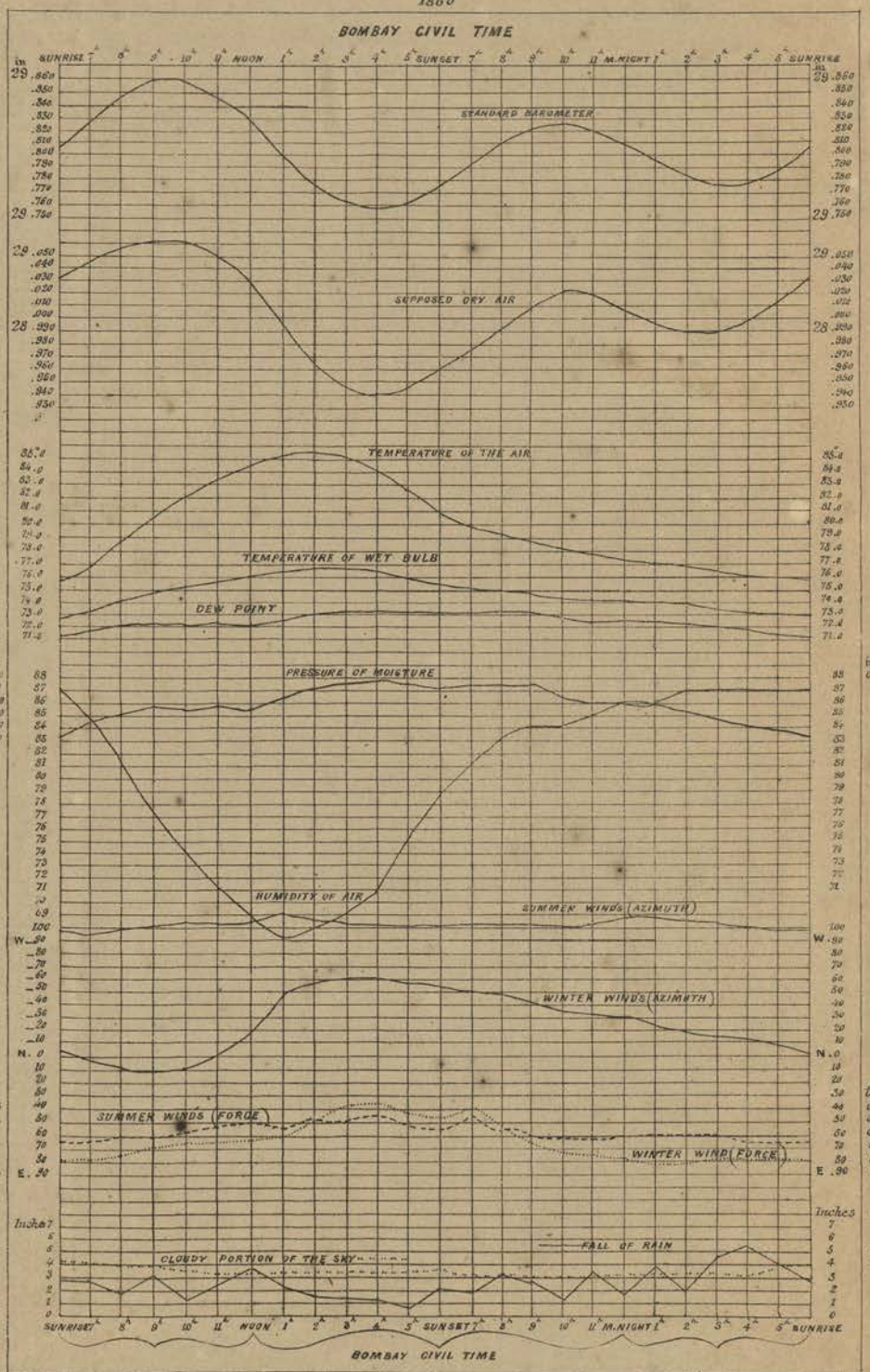


Drawn by S. Cassinath sen.

Curved by Goverdhun Luxumun C. 1st Assist. M.D.

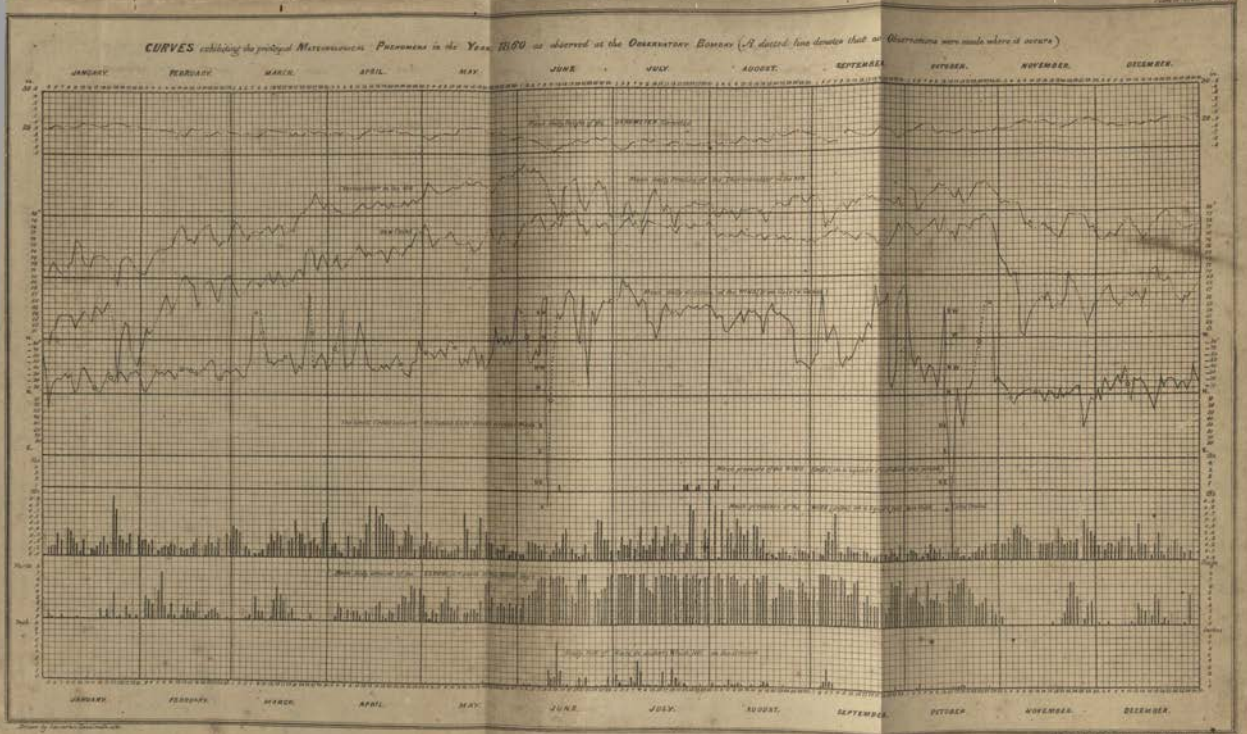
DIURNAL CHANGES OF THE METEOROLOGICAL ELEMENTS

1860



Drawn by S. Cassumbhoy

Carved by Govindhuji Laxmanji C. 1st Assistant


CURVES exhibiting the principal Meteorological Phenomena in the Year 1860 as observed at the Observatory, Bombay (A dotted line denotes that no Observations were made where it occurs)
JANUARY.
FEBRUARY.
MARCH.
APRIL.
MAY.
JUNE.
JULY.
AUGUST.
SEPTEMBER.
OCTOBER.
NOVEMBER.
DECEMBER.

BOMBAY MAGNETICAL OBSERVATORY.

TIDAL OBSERVATIONS

FOR 1860.

MEAN SOLAR TIME AND HEIGHT OF HIGH AND LOW WATER, *corresponding with the ☽'s Upper and Lower Transit.*

DATE.	☽'s Upper Transit.						☽'s Lower Transit.						Greatest Daily Range of Tide in Feet.	Moon's Age.
	Time of ☽'s Transit.	High Water.		Low Water.		Range of Tide.	Time of ☽'s Transit.	High Water.		Low Water.		Range of Tide.		
		Time.	Height in Feet.	Time.	Height in Feet.			Time.	Height in Feet.	Time.	Height in Feet.			
	H. M.	H. M.		H. M.			H. M.	H. M.		H. M.				D.
1	6.39						19.05							8.5
2	7.38						20.08							9.5
3	8.38						21.08							10.5
4	9.37		Instrument out of				22.06		Instrument out of					11.5
5	10.33		Order.				23.01		Order.					12.5
6	11.28						23.55							13.5 ☽
7	12.20													14.5 ○
8	13.13						0.47							15.5
9	14.04						1.39							16.5
10	14.59	13.10	3.8	19.25	-7.5	11.3	2.31	1.25	3.3	6.45	-6.0	9.3	11.3	17.5
11	15.54	13.40	3.0	20.05	-7.3	10.3	3.26	1.50	3.1	7.10	-5.6	8.7	10.4	18.5
12	16.50	14.10	2.5	20.45	-7.0	9.5	4.22	2.35	2.5	8.00	-4.8	7.3	9.5	19.5
13	17.46	14.45	1.4	21.20	-6.6	8.0	5.18	3.05	1.8	8.25	-3.7	5.5	8.4	20.5
14	18.40	15.30	0.5	22.00	-6.2	6.7	6.14	4.05	1.1	9.30	-2.5	3.6	7.3	21.5 ☾
15	19.32	16.00	0.3	22.45	-5.5	5.8	7.07	5.25	0.8	10.50	-2.0	2.8	6.3	22.5
16	20.20	16.45	0.0	23.20	-5.3	5.3	7.58	5.55	0.5	11.20	-2.2	2.7	5.8	23.5
17	21.06	17.25	-0.5	23.55	-5.2	4.7	8.45	6.40	0.1	11.45	-2.7	2.8	5.3	24.5
18	21.49	18.05	-1.0	24.50	-4.8	3.8	9.29	7.35	-0.2	12.15	-3.3	3.1	4.6	25.5
19	22.30	19.10	-0.3	25.30	-5.0	4.7	10.10	7.55	0.2	12.45	-3.8	4.0	5.2	26.5 A
20	23.09	19.50	1.0	26.20	-5.2	6.2	10.50	8.20	1.1	13.45	-4.6	5.7	6.3	27.5
21	23.49	21.20	2.2	27.30	-5.3	7.5	11.29	8.40	1.8	14.45	-5.3	7.1	7.5	28.5
22		22.00	3.8	28.15	-5.3	9.1	12.09	9.30	2.5	15.15	-6.8	9.3	10.6	29.5 ●
23	0.30	22.45	4.0	28.45	-5.2	9.2	12.50	10.15	3.3	15.40	-7.5	10.8	11.5	0.7
24	1.12	23.05	4.0	29.15	-4.8	8.8	13.33	10.30	3.3	16.20	-7.7	11.0	11.7	1.7
25	1.56	23.45	4.0	29.45	-4.6	8.6	14.19	11.15	2.5	16.55	-7.8	10.3	11.8	2.7
26	2.45						15.10	11.45	1.7	17.50	-7.4	9.1	9.1	3.7
27	3.37	0.05	3.7	6.50	-4.1	7.8	16.03	12.15	1.0	18.40	-6.7	7.7	10.4	4.7
28	4.32	0.35	3.4	7.45	-3.3	6.7	17.00	12.45	-0.1	19.15	-6.0	5.9	9.4	5.7
29	5.30	1.35	2.3	9.55	-3.5	5.8	17.59	13.30	-1.6	19.50	-5.6	4.0	7.9	6.7 ☽
30	6.28	3.00	0.5	12.00	-3.5	4.0	18.57	15.15	-1.1	21.05	-6.0	4.9	6.5	7.7
31	7.25	5.00	0.7	12.35	-4.6	5.1	19.53	17.40	-0.6	23.30	-6.6	6.0	7.3	8.7
1	8.20	6.15	1.7	13.05	-5.5	7.2	20.47	19.00	-0.3	25.00	-6.8	6.5	8.5	9.7
2	9.13	7.15	2.8	13.50	-6.4	9.2	21.40	19.20	-1.5	26.30	-6.7	5.2	9.5	10.7
3	10.05	9.45	5.6	16.00	-6.4	12.0	22.31	21.55	5.1	28.15	-6.5	11.6	12.1	11.7
4	10.57	10.10	6.3	16.40	-8.5	14.8	23.22	22.45	6.1	28.50	-6.6	12.7	14.8	12.7 ☽
5	11.49	10.55	6.1	17.05	-9.7	15.8	24.15	23.30	6.4	29.45	-6.7	13.1	16.1	13.7 ○
6	12.42	11.30	5.4	18.00	-9.2	14.6							14.6	14.7
7	13.38	12.20	4.4	18.30	-8.7	13.1	1.10	0.20	5.6	6.45	-6.3	11.9	14.3	15.7
8	14.35	12.50	2.6	19.05	-8.0	10.6	2.06	1.05	4.6	7.25	-5.6	10.2	12.6	16.7
9	15.33	13.15	1.0	19.35	-7.3	8.3	3.05	1.55	3.5	8.00	-4.8	8.3	10.6	17.7
10	16.30	14.00	0.7	20.00	-6.8	7.5	4.02	2.45	2.7	8.50	-4.0	6.7	9.5	18.7
11	17.24	15.15	0.3	20.50	-6.0	6.3	4.56	3.20	2.2	9.55	-3.2	5.4	8.2	19.7
12	18.15	15.55	-1.0	22.15	-5.2	4.2	5.51	4.15	1.5	11.35	-3.0	4.5	6.7	20.7 ☾
13	19.02	17.35	-1.9	23.40	-5.0	3.1	6.40	5.00	0.5	13.05	-3.5	4.0	5.5	21.7
14	19.46	19.49	-1.7	26.07	-5.8	4.1	7.25	7.21	0.1	14.44	-4.2	4.3	5.9	22.7
15	20.28	20.43	-0.6	26.20	-6.2	5.6	8.08	8.22	0.5	15.23	-5.3	5.8	6.7	23.7
16	21.08	21.42	0.7	27.50	-6.2	6.9	8.48	9.24	1.1	15.42	-5.7	6.8	7.3	24.7 A
17	21.47	22.20	1.6	28.19	-6.8	8.4	9.28	9.38	1.7	16.06	-6.3	8.0	8.5	25.7
18	22.28	22.50	2.6	28.53	-7.0	9.6	10.07	10.07	2.0	16.30	-7.3	9.3	9.9	26.7
19	23.09	23.09	3.3	29.22	-7.2	10.5	10.49	10.26	2.5	16.54	-7.7	10.2	11.0	27.7
20	23.54	23.38	3.8	29.51	-7.4	11.2	11.31	10.40	2.7	17.03	-8.3	11.0	12.1	28.7 ●
21	24.42	23.47	4.4	30.15	-7.0	11.4	12.17	10.59	2.9	17.17	-9.1	12.0	13.5	0.1
22							13.06	11.38	2.8	17.46	-9.1	11.9	11.9	1.1
23	1.33	0.26	4.4	6.29	-6.0	10.4	13.59	12.02	2.6	18.00	-9.2	11.8	13.6	2.1
24	2.28	1.00	4.2	6.58	-5.0	9.2	14.56	12.46	2.6	19.11	-8.3	10.9	12.5	3.1
25	3.25	1.53	4.1	8.11	-4.4	8.5	15.54	13.15	1.9	19.32	-7.8	9.7	11.9	4.1
26	4.22	2.34	3.4	8.43	-3.8	7.2	16.51	14.56	1.0	19.58	-7.0	8.0	10.4	5.1
27	5.20	3.20	2.8	9.19	-3.6	6.4	17.48	15.47	0.6	20.54	-5.8	6.4	8.3	6.1
28	6.12	4.06	2.7	10.16	-3.5	6.2	18.41	15.53	0.5	21.55	-5.0	5.5	7.7	7.1 ☽
29	7.06	4.43	3.0	11.27	-4.0	7.0	19.32	17.14	1.0	23.16	-5.0	6.0	8.0	8.1
30	7.56	5.39	3.3	12.27	-5.5	8.8	20.21	18.30	2.0	24.27	-5.0	7.0	8.8	9.1

MARCH, 1860.

APRIL, 1860.

MEAN SOLAR TIME AND HEIGHT OF HIGH AND LOW WATER, *corresponding with the ☽'s Upper and Lower Transit.*

DATE.	☽'s Upper Transit.						☽'s Lower Transit.						Greatest Daily Range of Tide in Feet.	Moon's Age.
	Time of ☽'s Transit.	High Water.- Time.	High Water.- Height in Feet.	Low Water. Time.	Low Water. Height in Feet.	Range of Tide.	Time of ☽'s Transit.	High Water. Time.	High Water. Height in Feet.	Low Water. Time.	Low Water. Height in Feet.	Range of Tide.		
	H. M.	H. M.		H. M.			H. M.	H. M.		H. M.	H. M.			D.
MAY, 1860. 1	8·46	7.50	3.7	13.30	-5.5	9.2	21.11	19.0 0	3.5	25.18	-5.1	8.6	9.2	10.1
2	9.36	8.55	4.8	15.35	-7.8	12.6	22.02	21,50	5.4	27.05	-4.5	9.9	13.2	11.1 P
3	10.28	9.40	5.0	16.10	-9.2	14.2	22.54	22.40	5.9	28.35	-5.0	10.9	15.1	12.1
4	11.22	10.25	4.9	17.00	-9.7	14.6	23.50	23.25	6.4	29.30	-4.9	11.3	16.1	13.1 ○
5	12.19	11.00	4.6	17.25	-10.0	14.6	24.48	23.58	6.3	30.10	-5.0	11.3	16.3	14.1
6	13.17	11.45	4.2	18.05	-9.9	14.1							14.1	15.1
7	14.18	12.25	3.3	18.30	-9.2	12.5	1.46	0.35	5.7	7. 5	-5.0	10.7	14.9	16.1
8	15.12	13.00	2.4	19.10	-8.2	10.6	2.47	1.15	4,9	7.35	-4.6	9.3	13.1	17.1
9	16.06	13 40	1.6	19.35	-6.6	8.2	3.41	1.55	4.1	8.25	-3,9	8.0	10.7	18.1
10	16.55	14.35	0.7	20.15	-5.4	6.1	4.32	2.45	3.7	9.10	-3.3	7.0	9 1	19.1
11	17.41	15.45	-0.5	21.15	-4.5	4.0	5.20	3.25	2.7	10.10	-3.0	5.7	7.2	20.1
12	18.24	16.45	-1.1	22.15	-4.0	2.9	6.03	4.28	1.9	11.20	-3.3	5.2	5.9	21.1 ☾
13	19.04	18.25	-1.1	23.25	-3.5	2.4	6.45	5.10	1.4	12.35	-3.8	5.2	5.2	22.1
14	19.44	19.45	0.2	24.40	-3.5	3.7	7.24	6.00	1.3	13.00	-4.8	6.1	6.1	23.1 A
15	20.24	20.25	1.8	26.00	-2.4	4.2	8.04	7.10	2.2	13.45	-4,8	7.0	7.0	24.1
16	21.05	21.10	3.0	26.30	-2.7	5.7	8.44	7.50	2 4	14.30	-5.3	7.7	8.3	25.1
17	21.49	21.50	3.7	27.40	-3.2	6.9	9.11	8.30	2.3	15.00	-6.7	9.0	10.4	26.1
18	22.35	22.20	3.8	28.15	-3.7	7.5	10.11	9.10	2.3	15.30	-7.6	9.9	11.4	27.1
19	23.26	23.05	4.6	28.55	-4.2	8.8	10.59	9.40	2.4	16.15	-8.3	10.7	12.9	28.1
20	24.21	23.30	5.0	29.45	-4.4	9.4	11.52	10.20	2.5	16.55	-8.7	11.2	13.7	29.1 ●
21							12.48	11.00	2.8	17.15	-8.9	11.7	11.7	0·5
22	1.18	0.10	5.2	6.15	-4.4	9.6	13.47	11.30	2.9	17.55	-8.9	11.8	14.1	1·5
23	2.17	0.45	5.3	6.55	-4.3	9.6	14.46	12.10	2.6	18.40	-8.3	10.9	13.6	2·5
24	3.14	1.20	5.0	7.45	-4.6	9.6	15.43	12.55	2.4	19.10	-7.9	10.3	12.9	3.5
25	4.10	2.15	4.7	8.35	-4.4	9.1	16.37	13.50	2.0	19.50	-6.8	8.8	11.5	4.5
26	5.03	3.00	4.4	9.15	-4.5	8.9	17.29	14.50	1.1	21.00	-5.7	6.8	10.1	5.5
27	5.53	3.50	3.9	10.30	-4.7	8.6	18.18	16.15	1.3	22.30	-4.7	6.0	8.6	6.5
28	6.43	4 40	3.6	11.45	-5.6	9.2	19.07	17.35	1.7	23.35	-4.1	5.8	9.2	7.5 ☽
29	7.31	5.30	3.1	12.50	-6.6	9.7	19.55	18.45	2.3	24.35	-3.4	5.7	9.7	8.5 P
30	8.20	6.30	2.9	13.25	-7.1	10.0	20.45	19.50	3.6	25.45	-4.0	7.6	10.7	9.5.
31	9.12	8.20	2.8	15 15	-8.0	10.8	21.38	21.15	4.0	27.20	-4.2	8.2	12.0	10.5
JUNE, 1860. 1	10.06	9.55	2.7	16.05	-9.1	11.8	22.34	22.40	5.2	28.55	-4.6	9.8	14.3	11.5
2	11.03	10.30	2.6	16.30	-9.0	11.6	23.32	23.25	4.7	29.30	-4.0	8.7	13.7	12.5
3	12.05	11.05	2 5	17.10	-8·8	11.3							11.3	13.5 ☽
4	12.59	11.45	2.5	17.40	-8.7	11 2	0.35	0.00	4.6	6.05	-5.0	9.6	13.3	14.5
5	13.54	12.25	2.4	18.10	-8.6	11.0	1,28	0.45	4.5	6·45	-5.0	9.5	13.1	15.5
6	14.46	12.55	1.8	19.05	-7.6	9 5	2.20	1.20	4.5	7.35	-4.8	9.3	12.1	16.5
7	15.34	13.35	1.4	19.20	-6.4	7.8	3.11	1.45	4.2	8.10	-4.4	0.6	10.6	17.5
8	16.18	14.25	1.1	19.45	-5.4	6.5	3.57	2.20	3.9	8.50	-4.1	0.9	8.3	18.5
9	17.00	15.00	0.2	20.20	-4.3	4.5	4,40	3.05	3 4	9.35	-3.7	7.1	7.7	19.5
10	17.38	15.50	-0.6	21.40	-2.8	2.2	5 20	3.25	2.9	10·30	-3.9	6.8	6.8	20.5 A
11	18.19	17.50	-0.3	22.05	-3.8	3.5	6.00	4.05	2.5	10.45	-4 5	7.0	7.0	21.5 ☾
12	19.00	18.35	1.6	22.45	-5.0	6.6	6.39	4.50	1.7	11.10	-4.1	5.0	6.7	22.5
13	19.42	19.35	2.9	23.25	-5.7	8.6	7.20	5.15	3.3	11·40	-4.1	7.4	9.0	23.5
14	20.27	20.20	3.0	23.55	-6.4	9 4	8.03	5.30	4 5	12.20	-4.1	8.6	10.9	24.5
15	21.16	21.00	3.2	24.35	-7.3	10.5	8.50	6.10	5.2	13.20	-4.2	9.4	12.5	25.5
16	22 09	22.05	3.1	25.20	-8.3	11.4	9.41	6.55	5.4	14.15	-4.5	9.9	13.7	26.5
17	23.06	22.39	4.0	26.25	-8.0	12.0	10.36	9.07	5.0	15.20	-5.0	10.0	13.0	27.5
18		23.20	4.5	28.40	-8.0	12.5	11.35	10.08	4.5	16.25	-5.3	9.8	12.5	28.5 ●
19	0.05						12.33	11.58	4.9	17.40	-5.8	9.8	9.8	0.1
20	1.05	0.23	5.0	6.05	-7.0	12.0	13.35	12.57	3.0	18.50	-6.2	9.2	12.0	1.1
21	2.03	2.15	4.8	8.25	-6.0	10.8	14.31	14.10	2.8	19.50	-6.8	9.6	11.6	2.1
22	2.58	2.50	4.9	9.25	-6.5	11.4	15.25	15.10	2.5	20.40	-5.5	8.0	11.4	3.1
23	3.50	3.45	4.5	10.10	-6.4	10.9	16.16	16.20	2.4	22.10	-4.2	6.6	10.9	4.5 P
24	4.40	4.30	3.7	10.55	-6.4	10.1	17.04	17.35	2.3	23.20	-3.3	5.6	10.1	5.1
25	5.28	5.26	2.6	12.05	-6.8	9.4	17.53	19.00	2.1	24.30	-3.0	5.1	9.4	6.1 ☽
26	6.17	6.25	1.7	13.10	-7.3	9.0	18.42	20.05	2.6	26.20	-3.5	6.1	9.9	7.1
27	7.08	7.40	1.1	14.00	-7.7	8.8	19.33	21.15	3.2	27.15	-2.3	5.5	10.9	8.1
28	8.00	8.55	1.7	15.10	-7.0	8.7	20.26	22.00	4.4	28.25	-2.6	7.0	11.4	9.1
29	8.55	9.30	2.4	15.45	-7.5	9.9	21.22	22.50	4.9	29.00	-3.5	8.4	12.4	10.1
30	9.51	10.30	2.6	16.20	-8.2	10.8	22.20	23.15	5.4	29.30	-4.5	9.9	13.6	11.1

MEAN SOLAR TIME AND HEIGHT OF HIGH AND LOW WATER, *corresponding with the ☽'s Upper and Lower Transit.*

DATE.	☽'s Upper Transit.						☽'s Lower Transit.						Greatest Daily Range of Tide in Feet.	Moon's Age.
	Time of ☽'s Transit.	High Water.		Low Water.		Range of Tide.	Time of ☽'s Transit.	High Water.		Low Water.		Range of Tide.		
		Time.	Height in Feet.	Time.	Height in Feet.			Time.	Height in Feet.	Time.	Height in Feet.			
	H. M.	H. M.		H. M.			H. M.	H. M.	H. M.					D.
JULY, 1860. 1	10.49	9.16	2.2	15.26	-7.1	9.3	23.17	22.16	5.3	28.41	-3.4	8.7	12.4	12.1
2	11.44	10.02	2.5	16.12	-7.6	10.1	24.12	23.07	4.7	29.32	-4.9	9.6	12.3	13.1 ○
3	12.37	11.40	3.7	17.20	-8.3	12.0							12.0	14.1
4	13.27	12.11	4.9	18.00	-7.9	12.8	1.03	0.15	5.7	6.05	-5.0	10.7	13.6	15·1
5	14.12	12.52	5.2	18.27	-6.8	12.0	1.51	0·50	5.9	7.44	-4.6	10.5	12.7	16.1
6	14.55	13.28	3.3	18.58	-6.0	9.3	2.35	1.25	5.5	8.16	-4.2	9.7	11.5	17.1
7	15.36	14.12	2.5	19.27	-5.0	7.5	3.16	1.47	5.0	8.38	-4.5	9.5	10.0	18.1
8	16.16	14.58	1.9	1 9.58	-4.1	6.0	3.56	2.18	4.0	9.19	-4.0	8·0	8.1	19.1 A
9	16·55	15.44	1.7	20·54	-2.7	4.4	4.35	2 54	3.7	10.04	-4.0	7.7	7.7	20.1
10	17.36	16.35	1.3	21.45	-1.9	3.2	5.15	3.20	3.3	11.00	-4.1	7.4	7.4	21.1 ◐
11	18.19	17.46	1.1	23.01	-1.3	2.4	5.57	4.16	2.7	11.56	-4.4	7.1	7.1	22.1
12	19.06	18.47	1.5	24.22	-1.2	2.7	6.41	4.42	1.9	12.57	-4.9	6.8	6.8	23.1
13	19.56	20.18	2.3	25.08	-1.2	3.5	7.29	5.43	1.3	13.22	-5.3	6.6	7.6	24.1
14	20.21	21.04	2.9	27.14	-1.7	4.6	8.22	7.14	0.6	13.49	-5.8	6.4	8.7	25.1
15	21.49	21.45	4 0	27.50	-2.5	6.5	9.19	8.35	1.1	14.45	-6.5	7.6	10.5	26.1
16	22.49	22.36	4.7	28.41	-3.5	8.2	10.19	9.41	1.9	15.36	-7.3	9.2	12.0	27.1
17	23.49	23.12	5.4	29.27	-4.5	9.9	11.19	10.22	2.6	16.32	-8.1	10.7	13.5	28.1
18							12.19	11.03	3.4	17.38	-8.7	12.1	12.1	29.1 ●
19	0.47	0.02	5.2	6.17	-4.3	9.5	13.13	11.49	5.3	18.28	-8.8	14.1	14.1	0.7
20	1.41	0.42	5.2	6.47	-4.3	9·5	14.09	12.39	5.8	19.54	-8.8	14.6	14.6	1.7 P
21	2.34	1 22	5.0	7.27	-4.5	9.5	14.59	13.23	6.2	20.03	-8.2	14.4	14.4	2.7
22	3.24	2.00	4.7	8.10	-4·5	9.2	15.49	14.08	6.0	20.48	-7.8	13.8	13.8	3.7
23	4,14	2.37	4.3	8.37	-4.6	8·9	16.39	15.00	5.5	21.10	-6.7	12.2	12.2	4.7
24	5.05	3·14	3.8	8.49	-4 8	8.6	17.30	16.01	4 7	22.02	-5.7	10.4	10.4	5.7 ☽
25	5.57	3.52	3.5	9.07	-5.6	9.1	18.23	17.15	4.0	23.06	-4.7	8.7	9.6	6.7
26	6.51	4.40	3 0	9.50	-6.6	9.6	19.18	18.50	3.5	23.43	-4.1	7.6	10.1	7.7
27	7.46	5.33	2.8	10.47	-7.2	10·0	20.24	19.29	2.6	24.30	-3.4	6.0	10.0	8.7
28	8.42	6.55	3.0	11.55	-7.8	10.8	21.11	20.50	1.8	25.37	-4.9	6.7	10.8	9.7
29	9.38	8.07	3·0	13.22	-8.3	11.3	22.06	21.40	1.4	26.52	-5.0	6.4	11.3	10.7
30	10·31	9.22	3.6	14.32	-8.7	12.3	22.58	22.50	1.4	27.21	-5.0	6.4	12.3	11.7
31	11.21	10 26	4.7	15.41	-8.9	13.6	23.46	23.20	2.4	27.57	-4.8	7.2	13.6	12.7
AUGUST 1860. 1	12.08	11·22	4.7	16.50	-9.0	13·7		23.55	3.0	29.25	-7.0	10.0	13.7	13.7 ⊙
2	12.52	11.56	4.0	17.35	-8.0	12.0	0.31						12.0	14.7
3	13.33	12.22	3.7	17.55	-7.2	10.9	1.13	0.20	3 5	6.00	-6.5	10.0	10.9	15.7
4	14.13	12.45	2.8	18.15	-6.4	9.2	1.53	0.45	3.9	6.30	-5.8	9.7	10.3	16.7
5	14.53	14.00	2.1	19.10	-4.8	6.9	2.33	1.10	3.5	7.35	-6.2	9.7	9.7	17.7 A
6	15.33	14.30	1.8	19.40	-3.8	5.6	3.12	1.40	3.0	8.10	-5.5	8.5	8.5	18.7
7	16.15	15.15	1.3	20.10	-2.7	4.5	3.53	2.00	2 5	9.00	-5.3	7.8	7.8	19.7
8	16.59	16.20	1·0	21.20	-1.7	2.7	4.36	2.55	1.3	9.35	-5.2	7.0	7.0	20.7
9	17.47	17.40	0.6	23.15	-1.6	2.2	5.21	3.30	1.0	10.15	-5.0	6.0	7.0	21.7 ◐
10	18.38	20.10	1.3	25.45	-1.8	3.1	6.11	4.55	0.0	12.15	-5.1	5.1	6.4	22.7
11	19.34	21.05	2.4	26.50	-2.3	4.7	7.04	6.30	0.0	13.25	-5.6	5.6	8.0	23.7
12	20.32	21.50	3.6	27.50	-3.1	6.7	8.02	8.10	0.6	14.55	-6.4	7.0	10.0	24.7
13	21.31	22.30	4.5	28.40	-4.5	9.0	9.51	9.25	1·7	15.40	-7.3	9.0	11.8	25.7
14	22.30	23.10	5.3	29.15	-6.0	11.3	10.01	10.15	2.8	16.40	-8.3	11.1	13.6	26.7
15	23.26	23.50	4·5	29.45	-6.0	10.5	10.59	11.00	3.8	17.30	-7.5	11.3	12.0	27.7
16							11.55	12.20	2.8	18.20	-6.8	9.6	9.6	08.7 ●
17	0.21	0·40	3.9	6.30	-5.8	9.7	12.48	13.05	2.2	19.15	-6.4	8.6	10.3	0.4 P
18	1.14	1.25	3.4	7.25	-5.5	8.9	13.40	14.05	1.9	20.20	-4.8	6.7	8.9	1.4
19	2.05	2.25	2.9	8.25	-5.2	8.1	14.31	14.50	1.9	21.45	-3.8	5.7	8.1	2.4
20	2.57	2.50	2.5	9.05	-5.2	7.7	15.23	15.40	1.2	23.10	-2.7	3.9	7.7	3.4
21	3.50	3.45	1.8	10.00	-5.0	6.8	16.17	17.10	0.7	24.50	-1.9	2,6	6.8	4.4
22	4.45						17.13	18.10	0.5					5.4
23	5.41						18.06							6.4 ☽
24	6.38						19·06							7.4
25	7.34	Instrument out of					20.02	Instrument out of						8.4
26	8.28						20.54							9.4
27	9.18	Order.					21.43	Order.						10.4
28	10.06						22.29							11.4
29	10.50						23.11							12.4
30	11.32						23.53							13.4
31	12.12													4.14 ○

MEAN SOLAR TIME AND HEIGHT OF HIGH AND LOW WATER, *corresponding with the ☽'s Upper and Lower Transit.*

Date.	☽'s Upper Transit.						☽'s Lower Transit.						Greatest Daily Range of Tide in Feet.	Moon's Age.
	Time of ☽'s Transit.	High Water. Time.	High Water. Height in Feet.	Low Water. Time.	Low Water. Height in Feet.	Range of Tide.	Time of ☽'s Transit.	High Water. Time.	High Water. Height in Feet.	Low Water. Time.	Low Water. Height in Feet.	Range of Tide.		
SEPTEMBER, 1860.														
1	12.52						0.32							15.4 A
2	13.32						1.12							16.4
3	14.13						1.52							17.4
4	14·56						2.33							18.4
5	15.42						3.17							19.4
6	16.31						4.05							20.4
7	17.23						4.56							21.4
8	18.19						5.50							22.4
9	19.16						6.47							23.4
10	20.13		Instrument out of				7.45		Instrument out of					24.4
11	21.09						8.42							25.4
12	22.04		Order.				9.37		Order.					26.4
13	22.48						10.31							27.4
14	23.51						11.14							28.4●
15							12.17							0.0 P
16	0.44						13.10							1.0
17	1.38						14.05							2.0
18	2.34						15.02							3.0
19	3.32						16.01							4.0
20	4.30						16.59							5.0
21	5.28						17.56							6.0
22	6.23						18.50							7.0
23	7.15						19.41							8.0
24	8.03						20.27							9.0
25	8.49						21.11							10.0
26	9.31						21.52							11.0
27	10.12						22.32							12.0
28	10.51	10.05	5.3	16.50	−3.4		23.11	22.45	5.6	28.50	−4.5			13.0 A
29	11.31	10.45	5.4	17.35	−3.4		23.51	23.10	5.4	29.25	−5.2			14.0○
30	12.12	11.30	5.7	17.55	−3.2			23.50	5.1	29.45	−5.6			15.0
														16.0
OCTOBER, 1860.														
1	12.54	12.10	6.0	18.30	−3.2	9.2	0.32						9.2	16.0
2	13.40	12.45	5.8	18.50	−3.2	9.0	1.16	0.10	4.6	6.05	−6.0	10.6	11.8	17.0
3	14.28	13.35	4.8	19.30	−4.0	8.8	2.02	0.50	4.0	6.40	−7.0	11.0	11.8	18.0
4	15.19	14.05	4.2	20.00	−2.8	7.0	2.52	1.10	3.3	7.05	−6.5	9.8	10.7	19.0
5	16.12	14.45	3.6	20.40	−2.2	5.8	3.45	1.40	2.8	7.40	−6.0	8.8	9.6	20.0
6	17.07	15.45	2.6	21.50	−2.0	4.6	4.39	2.10	1.9	8.35	−5.3	7.2	7.9	21.0
7	18.03	16.40	2.1	23.15	−1.3	3.4	5.35	2.50	1.3	9.15	−4.3	5.6	6.4	22.066
8	18.57	17.55	2.1	24.30	−2.4	4.5	6.29	4.20	0.6	11.00	−3.6	4.2	5.7	23.0
9	19.51	19.35	3.1	25.35	−3.0	6.1	7.22	6.00	0.5	12.20	−3.8	4.3	6.9	24.0
10	20.43	20.30	4.3	26.40	−4.4	8.7	8.17	7.55	1.9	13.35	−4.4	6.3	8.7	25.0
11	21.35	21.15	5.2	27.35	−4.4	9.6	9.09	8.45	3.5	14.35	−5.0	8.5	10.2	26.0
12	22.27	22.25	5.3	28.35	−4.8	10.1	10.00	9.40	3.8	16.15	−5.3	9.1	10.6	27.0
13	23.21	22.45	5.3	29.15	−5.0	10.3	10.53	10.35	4.2	17.20	−5.6	9.8	10.9	28.0 P
14		23.15	5.4	30.15	−5.4	10.8	11.48	11.15	4.6	18.10	−6.0	10.6	11.4	29.0●
15	0.16	23.45	5.2	30.50	−5.7	10.9	12.45	11.45	4.8	18.35	−6.2	11.0	11.4	0.7
16	1.15						13.44	12.35	5.0	19.20	−6.9	11.9	11.9	1.7
17	2.15	0.45	5.0	7.40	−6.3	11.3	14.45	13.40	4.8	19.35	−6.5	11.3	11.5	2.7
18	3.15	1.00	4.6	7.50	−6.2	10.8	15.45	14.20	4.0	20.20	−6.0	10.0	10.8	3.7
19	4.13	2.05	4.4	8.20	−6.0	10.4	16.42	15.35	2.0	21.15	−4.7	6.7	10.4	4.7
20	5.08	3.00	4.2	9.15	−5.8	10.0	17.35	16.45	2.0	22.05	−4.0	6.0	10.0	5.7
21	5.59	3.45	4.2	10.30	−5.8	10.0	18.24	18.10	2.0	23.15	−3.2	5.2	10.0	6.766
22	6.46	5.00	3.4	11.50	−5.8	9.2	19.09	19.05	2.2	25.00	−2.0	4.2	9.2	7.7
23	7.29	6.43	3.8	12.40	−6.0	9.8	19.50	19.35	3.1	25.25	−3.0	6.1	9.8	8.7
24	8.10	8.05	4.3	13.25	−6.2	10.5	20.31	19.55	4.3	25.50	−4.4	8.7	10.5	9.7
25	8.50	8.50	4.7	13.50	−6.0	10.7	21.10	20.15	5.2	26.30	−4.4	9.6	11.2	10.7
26	9.30	9.28	4.5	14.40	−5.2	9.7	21.50	20.45	5.3	27.10	−4.8	10.1	10.5	11.7 A
27	10.10	9.51	4.2	15.25	−4.0	8.2	22.31	21.00	5.3	27.50	−6.1	11.4	11.4	12.7
28	10.53	10.10	4.0	16.00	3.6	7.6	23.14	21.45	3.0	28.10	−6.5	9.5	10.5	13.7
29	11.37	10.35	4.7	16.25	3.7	8.4		22.05	3.2	28.45	−7.0	10.2	11.7	14.7
30	12.25	11.10	5.0	17.05	3.6	8.6	0.00	22.50	3.4	29.10	−7.2	10.6	12.2	15.7
3	13.14	11.45	5.2	17.45	3.8	9.0	0.49	23.25	3.2					16.7

MEAN SOLAR TIME AND HEIGHT OF HIGH AND LOW WATER, *corresponding with the ☽'s Upper and Lower Transit.*

Date.	☽'s Upper Transit.						☽'s Lower Transit.						Greatest Daily Range of Tide in Feet.	Moon's Age.
	Time of ☽'s Transit.	High Water. Time.	High Water. Height in Feet.	Low Water. Time.	Low Water. Height in Feet.	Range of Tide.	Time of ☽'s Transit.	High Water. Time.	High Water. Height in Feet.	Low Water. Time.	Low Water. Height in Feet.	Range of Tide.		
NOVEMBER, 1860.														
1	14.18	12.30	4.0	18.20	-4.5	8.5	1.40	23.50	2.7	30.45	-8.6	11.5	12.6	17.7
2	15.03	13.15	2.8	19.10	-5.0	7.8	2.35						7.8	18.7
3	15.58	14.15	2.2	19.50	-4.5	6.7	3.30	0.0	2.0	7.15	-7.7	9.7	10.1	19.7
4	16.52	15.05	1.6	20.50	-4.4	6.0	4.15	1.0	1.2	8.10	-7.2	8.4	8.8	20.7
5	17.44	15.45	1.1	21.35	-4.4	5.5	5.19	1.40	0.2	8.45	-6.8	7.0	7.9	21.7
6	18.35	16.25	0.9	22.25	-4.6	5.5	6.10	2.40	-0.7	9.30	-6.5	5.8	7.4	22.7
7	19.25	17.00	1.0	24.05	-5.3	6.3	7.00	3.55	-1.3	10.25	-5.7	4.4	6.7	23.7
8	20.15	18.05	1.1	24.50	-6.6	7.7	7.50	5.35	-1.0	11.40	-5.8	4.8	7.7	24.7
9	21.06	19.10	1.4	25.45	-8.1	9.5	8.40	7.10	0.1	12.50	-5.9	6.0	9.5	25.7
10	21.59	20.10	1.7	26.45	-9.7	11.4	9.31	8.10	1.8	14.10	-6.1	7.9	11.7	26.7 P
11	22.56	21.17	1.8	27.47	-9.8	11.6	10.26	9.07	2.0	15.05	-6.3	8.3	11.8	27.7
12	23.55	22.10	1.6	28.40	-9.8	11.4	11.24	10.46	2.0	16.50	-6.5	8.5	11.8	28.7
13		23.01	1.0	29.00	-10.2	11.2	12.25	11.26	2.1	17.20	-6.6	8.7	12.3	0.3
14	0.56	23.44	0.8	30.40	-10.6	11.4	13.27	12.50	2.3	18.50	-6.8	9.1	12.9	1.3
15	1.57						14.27	13.25	2.6	19.40	-7.0	9.6	9.6	2.3
16	2.55	1.10	0.5	7.45	-10.1	10.6	15.24	14.15	2.1	20.45	-6.7	8.8	12.2	3.3
17	3.49	1.55	-0.5	8.15	-9.1	8.6	16.16	15.10	1.4	21.25	-6.3	7.7	10.5	4.3
18	4.39	2.55	-1.6	9.10	-8.1	6.5	17.07	15.45	0.3	22.30	-6.3	6.6	8.4	5.3
19	5.24	3.55	-2.7	9.45	-7.0	4.3	17.47	16.40	-0.7	23.45	-6.4	5.7	6.3	6.3
20	6.07	5.10	-3.3	11.15	-6.0	2.7	18.28	17.25	-1.1	24.35	-6.4	5.3	5.3	7.3
21	6.47	7.00	-2.9	12.15	-5.3	2 4	19.07	18.05	-1.4	25.40	-7.1	5.7	6.3	8.3
22	7.27	8.00	-2.1	13.25	-5.2	3.1	19.47	19.00	-1.5	26.10	-7.8	6.3	6.3	9.3
23	8.07	8.45	-1.1	14.20	-5.3	4.2	20.27	19.50	-1.4	26.45	-8.5	7.1	7.4	10.3 A
24	8.49	9.15	-0.4	15.10	-5.4	5.0	21.09	20.30	-1.4	27.15	-9.1	7.7	8.7	11.3
25	9.32	9.45	0.3	15.40	-5.8	6.1	21.54	21.10	-1.1	27.40	-9.8	8.7	10.1	12.3
26	10.19	10.15	1.2	16.10	-6.4	7.6	22.43	22.05	-0.6	28.20	-10.2	9.6	11.4	13.3
27	11.09	11.05	1.6	16.50	-6.9	8.5	23.34	22.50	0.0	28.45	-10.6	10.6	12.2	14.3
28	12.02	11.35	2.5	17.10	-7.5	10.0		23.45	1.0	29.05	-11.0	12.0	13.5	15.3
29	12.57	12.05	2.8	17.25	-7.9	10.7	0.29						10.7	16.3
30	13.53	12.35	2.8	17.55	-8.1	10.9	1.25	0.0	1.1	5.25	-11.4	13.5	14.2	17.3
DECEMBER, 1860.														
1	14.48	14.25	3.1	20.10	-6.0	9.1	2.21	1.05	0.4	7.30	-8.5	8.9	11.6	18.3
2	15.41	15.05	2.6	21.30	-6.3	8.9	3.15	2.15	0.4	8.15	-8.2	8.6	10.8	19.3
3	16.32	16.20	1.8	22.45	-6.7	8.5	4.07	3.00	0.1	9.00	-7.1	7.2	8.9	20.3
4	17.20	16.45	1.4	23.30	-7.5	8.9	4.57	4.15	-0.7	10.15	-6.5	5.8	8.9	21.3
5	18.10	17.40	0.7	24.30	-8.5	9.2	5.45	5.35	-0.8	12.00	-5.8	5.0	9.2	22.3
6	18.59	18.35	0.4	25.05	-9.1	9.5	6.34	6.45	-0.2	12.45	-5.7	5.5	9.5	23.3
7	19.49	19.30	0.2	26.15	-9.7	9.9	7.23	7.40	0.3	13.40	-5.7	6.0	10.0	24.3
8	20.43	20.15	-0.1	26.40	-10.6	10.5	8.15	8.35	0.6	14.20	-5.6	6.2	11.2	25.3 P
9	21.39	21.15	0.1	27.15	-10.9	11.0	9.09	9.40	1.7	15.25	-6.1	7.8	12.6	26 3
10	22.38	22.05	0.3	28.00	-11.1	11.4	10.07	10.25	2.5	16.30	-6.4	8.9	13.6	27.3
11	23.40	22.35	0.5	28.35	-11.1	11.6	11.08	11.05	3.0	17.15	-7.1	10.1	14.1	28.3
12	24.38	23.30	0.6	29.20	-11.1	11.7	12.10	11.40	3.3	18.15	-7.3	10.6	14.4	29.3
13							13.08	12.15	2.9	18.45	-7.8	10.7	10.7	0.8
14	1.35	0.15	0.3	6.10	-10.8	11.1	14.04	12.45	2.3	19.30	-8.0	10.3	13.1	1.8
15	2.28	1.00	0.1	7.00	-10.6	10.5	14.53	13.40	2.3	20.30	-7.7	10.0	12.9	2.8
16	3.16	1.30	-0.4	7.30	-9.6	9.2	15.39	14.15	1.7	20.50	-7.6	9.3	11.3	3.8
17	4.00	2.15	-1.3	8.00	-8.6	7·3	16.22	14.45	1.0	21.15	-7.4	8.4	9.6	4.8
18	4.42	3.15	-2.2	8.45	-7.4	5.2	17.03	15.30	0.1	22.00	-7.4	7.5	7.5	5.8
19	5.53	4.15	-2.8	9.15	-6.5	3.7	17.43	16.10	-1.0	22.45	-7.4	6.4	6.4	6.8
20	6.03	5.10	-3.1	10.30	-5.1	2.0	18.23	16.40	-2.0	23.45	-7.4	5.4	5.4	7.8 A
21	6.43	6.45	-2.7	12.00	-4.7	2.0	19.04	17.00	-1.6	24.45	-7.6	6.0	6.0	8.8
22	7 26	8.00	-1.8	12.45	-4.3	2.5	19.47	18.30	-2.0	25.40	-8.0	6.0	6.2	9.8
23	8.11	8.45	-0.7	14.10	-4.4	3.7	20.34	19.25	-2.4	26.25	-9.2	6.8	8.5	10.8
24	8.59	9.25	-0.2	15.10	-5.1	4.9	21.24	20.35	-2.2	27.10	-9.7	7.5	9.5	11.8
25	9.51	10.00	1.0	16.10	-5.2	6.2	22.18	21.25	-1.4	27.45	-10.3	8.9	11.3	12.8
26	10.46	10.40	1.5	16.50	-6.1	7.6	23.14	22.10	-0.7	28.10	-11.0	10.3	12.5	13.8
27	11.43	11.15	2.0	17.30	-6.9	8.9	24.12	22.50	-0.4	28.35	-11.0	10.6	13.0	14.8
28	12.40	11.50	2.5	18.05	-7.2	9.7	25.06	23.30	0.5	29.20	-11.2	11.7	13.7	15.8
29	13.35	12.15	2.9	18.35	-8.2	11.1							11.1	16.8
30	14.28	12.45	3.0	19.15	-8.7	11.7	2.02	0.15	0.9	6.00	-11.2	12.1	14.2	17.8
31	15.18	13.35	2.9	19.55	-9.1	12.0	2.54	0.50	1.0	6.55	-10.3	11.3	13.2	18.8

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